REMEDIAL PROGRESS REPORT

for

23-30 BORDEN AVENUE DEVELOPMENT

Queens, New York

NYSDEC BCP Site No. C241238

Prepared For:

23-30 Borden Owner LLC
c/o Innovo Property Group
1370 Avenue of the Americas, 19th Floor
New York, New York 10019

Prepared By:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
300 Kimball Drive
Parsippany, New Jersey 07054

Christopher McMahon, CHMM
Associate

Stewart Abrams, P.E.
Principal/Vice President

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Langan Project No. 100766601

LANGAN

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1.0 BACKGROUND

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this Remedial Progress Report for the 23-30 Borden Avenue Development Site that is enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) and is identified in the BCP as Site No. C241238. The site is identified as Block 68, Lot 38 in the Long Island City neighborhood of Queens, New York (the "Site") (see **Figure 1**). The Site is an approximately 203,325-square-foot parcel that is currently undergoing remediation and redevelopment through the BCP.

Chlorinated volatile organic compounds (CVOCs), including the contaminants of concern (COCs) 1,1,1-trichloroethane (1,1,1-TCA) and vinyl chloride, were detected in groundwater samples collected at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values (SGVs) in the southern portion of the Site during the completion of the Remedial Investigation.

To address the 1,1,1-TCA and vinyl chloride exceedances, an emulsified zero valent iron (EZVI) injection was proposed in the NYSDEC-approved Remedial Action Work Plan (RAWP) to achieve reduction in groundwater concentrations of the chlorinated solvents, such that natural attenuation is supported. The EZVI remedy objectives were to

- Both chemically reduce, as well as anaerobically degrade the CVOCs;
- Further promote monitored natural attenuation (MNA); and
- Mitigate potential for off-Site migration of on-Site CVOC-impacted groundwater.

During the 2020/2021 Remedial Investigation (RI), 1,1,1-TCA was detected above the NYSDEC SGV of 5 µg/L in four wells at concentrations between 5.34 and 82.7 µg/L. However, results from the June 2022 baseline sampling (discussed in detail within Section 3.1) conducted prior to the start of injection activities revealed that concentrations of 1,1,1-TCA were significantly lower (5.3 µg/L exceeding the NYSDEC SGVs in LMW-49, only) than previously detected during the RI. Extensive petroleum NAPL free product recovery occurred from March 2022 to July 2022 in recovery wells RW-1 through RW-9. These recovery well locations also correspond to the northern extents of the TCA plume as identified in the RAWP; as such, NAPL free product recovery events likely contributed to the reduction of 1,1,1-TCA concentrations from the RI to the June 2022 baseline sampling event. Thus, the injection scope in the 1,1,1-TCA Treatment Zone was reduced from the original zone proposed in the 2022 EZVI Remedial Design. A request for NYSDEC approval of the reduced groundwater injection strategy for the 1,1,1-TCA Treatment

Zone was submitted on 12 July 2022. The revised strategy consisted of EZVI injections at 18 select locations (reduced from the originally proposed 32 locations) using the same dosage per location as was previously approved. The 18 injection points were selected to target the following locations:

- Where 1,1,1-TCA was detected as part of the baseline sampling;
- Where 1,1,1-TCA was identified during the completion of the remedial investigation;
- The LMW-40 location where vinyl chloride was identified in the baseline sampling; and
- Along the southern property boundary to prevent any off-site migration of TCA from the Site.

In addition, the baseline sampling results identified that the pH in the Vinyl Chloride Treatment Zone ranged from 5.76 to 8.25 standard units (S.U.) and in the 1,1,1-TCA Treatment Zone ranged from 6.18 to 7.85 S.U. As circumneutral conditions (between 6.5 and 7.5 S.U.) are preferable for microbial growth, addition of sodium bicarbonate as a buffer was also proposed within both the Vinyl Chloride (500 lbs) and 1,1,1-TCA (200 lbs) Treatment Zones.

The revised injection scope was approved by NYSDEC via email correspondence on 13 July 2022. The approved reagent dosages and injection volumes are summarized in **Table 1**.

The EZVI injections were performed using temporary injection points installed using direct push technology (DPT) within the two EZVI treatment zones, as shown in **Figure 2**: Vinyl Chloride Treatment Zone, approximately 2,500 square feet (sf), and 1,1,1-TCA Treatment Zone, approximately 3,400 sf. The target vertical treatment interval was the five feet above the top of the confining clay layer, which varied from approximately 13 to 20 feet below ground surface (ft. bgs) across the treatment areas.

The EZVI injection solution consisted of emulsified vegetable oil (EVO), zero valent iron (ZVI), nutrients [yeast extract, and diammonium phosphate (DAP)], sodium bicarbonate, and bioaugmentation culture SDC-9™. The details of the EZVI remedial implementation, as well as monitoring well installation, baseline and performance monitoring sampling, and health safety procedures, are provided herein.

As identified in the RAWP, heavy petroleum distillate impacts including non-aqueous phase liquid (NAPL) were identified in the southern-central portion of the Site (AOC-4). Periodic NAPL/product recovery was implemented on a biweekly or weekly basis from a network of recovery wells

between 3 March 2022 and 11 July 2022. Details regarding the DNAPL recovery efforts and the proposed additional remedial actions are provided in Section 10.0.

2.0 MONITORING WELL INSTALLATION

As proposed in the RAWP, seventeen monitoring wells were installed at the Site on 15 and 16 June 2022 (See **Figure 2)** for pre-injection baseline groundwater sample collection and remedial injection performance monitoring. Five permanent groundwater monitoring wells, LMW-35 through LMW-39 were installed in the area of the vinyl chloride treatment zone and twelve permanent groundwater monitoring wells, LMW-40 through LMW-51 were installed in the area of the 1,1,1-TCA treatment area. These wells were installed using a direct-push Geoprobe drill rig and were constructed of 2-inch SCH40 polyvinyl chloride (PVC) solid riser pipe and 20-slot screen, screened from approximately 2 to 12 ft. bgs. The well annulus around the screen of each well was backfilled with No. 2 sand to a depth corresponding to approximately six-inches above the screened interval. A minimum 2-foot thick hydrated bentonite seal was installed above the sand pack at all well locations. Each well was finished with a flush-mounted manhole secured with concrete. Following well construction completion, each newly installed well was developed using surge pumping techniques across the well screen to agitate and remove fine particles. Drill cuttings generated during soil boring installation were staged on Site with similar material in preparation for off-site disposal and purge water generated during well development were collected in 55-gallons drums. Soil boring logs and well construction logs for the 17 monitoring wells are provided in **Appendix A** and **Appendix B**, respectively.

Monitoring wells were damaged during site work for foundation construction. Damaged wells were repaired or reinstalled on 17 and 18 October 2022 in advance of the three month post-injection sampling event as well as 18 January 2023 in advance of the six month post-injection sampling event. Reinstalled wells were installed in the same fashion as the original well. Between 17 and 18 October 2022, the following work was conducted:

- LMW-36 and LMW-40 were decommissioned due to damages incurred during construction activities. LMW-36A and LMW-40A were installed adjacent to the respective decommissioned locations;
- LMW-36 was damaged and decommissioned. LMW-36A was installed adjacent to the decommissioned location;

- LMW-41, LMW-42, LMW-44, LMW-46, and LMW-47 could not be located due to construction activities and were reinstalled as LMW-41A, LMW-42A, LMW-44A, LMW-46A, and LMW-47A;

- The riser for LMW-51 was repaired using PVC coupling;

- The risers for LMW-35 and LMW-37 were elevated to allow for construction surrounding the well locations;

- Sediment removal via whale pump development was conducted at LMW-43, LMW-49, LMW-50, and LMW-51; and,

- Newly installed wells (LMW-36A, LMW-40A, LMW-41A, LMW-42A, LMW-44A, LMW-46A, and LMW-47A) were developed using surge pumping techniques.

On 18 January 2023, LMW-43 and LMW-44A were decommissioned due to damages incurred during construction activities. LMW-43A and LMW-44B were installed adjacent to the respective decommissioned locations.

Monitoring wells LMW-40A, LMW-41A, LMW-42A, LMW-43A, LMW-44B, LMW-45A, and LMW-47A are currently damaged. These wells will be decommissioned and reinstalled/repaired in advance of the additional remedial injection scope discussed in Section 9.0.

3.0 BASELINE SAMPLING

Groundwater samples were collected to establish baseline conditions within and around the treatment zones as part of the injection performance monitoring program. Baseline groundwater monitoring samples were collected from LMW-35 through LMW-51 (**Figure 2**) on 23 and 24 June 2022, prior to the EZVI injection event. Samples were collected in accordance with the procedures in the USEPA's low-flow groundwater sampling procedure ("Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", EQASOP-GW 001, 19 January 2010) to allow for collection of a representative sample. Monitoring wells were purged and water quality parameters (e.g., temperature, dissolved oxygen, oxidation-reduction potential, conductivity, pH, and turbidity) were allowed to stabilize to ranges specified in the USEPA guidance before sampling, or until one hour of parameter readings were obtained if stabilization did not occur. Purge water was collected in 55-gallon drums. Low-flow groundwater sampling parameter sheets are provided in **Appendix C**.

The groundwater samples were collected into laboratory-supplied glassware, packed with ice to maintain a temperature of approximately 4°C, and transported to the laboratory under chain-of-custody protocol. QA/QC samples including one duplicate sample, one set of matrix spike/matrix spike duplicate [MS/MSD] samples, one field blank, and five trip blanks were collected. Groundwater samples were analyzed for VOCs, iron (total and dissolved), manganese, nitrate, nitrite, sulfate, sulfide, chloride, dissolved gases (methane, ethene, ethane), total organic carbon (TOC), total dissolved solids (TDS), and alkalinity at York Analytical Laboratories, and for *Dehalococcoides* (DHC) and total bacteria (EBAC) at Microbial Insights.

3.1 Baseline Results

During the baseline sampling event, vinyl chloride was detected at concentrations ranging from 0.2 to 270 micrograms per liter (µg/L), with the highest detection at LMW-36 in the Vinyl Chloride Treatment Zone. Vinyl chloride was also detected in the 1,1,1-TCA Treatment Zone at concentrations of 29 and 69 µg/L in LMW-48 and LMW-40, respectively. Cis-1,2-dichloroethylene (cis-1,2 DCE), a parent compound of vinyl chloride, was detected at concentrations ranging from 0.2 to 97 µg/L, with the highest detection in LMW-36. 1,1,1-TCA was detected above the SGV in only LMW-49 at a concentration of 5.3 µg/L with 1,1-dichloroethane (1,1-DCA), detected in LMW-48 and LMW-49 at 9.7 and 9.8 µg/L, respectively. As discussed in Section 1.0, the 1,1,1-TCA Treatment Zone was reduced from the original zone proposed in the 2022 EZVI Remedial Design based on these baseline results.

Petroleum hydrocarbons including benzene, toluene, ethyl benzene, trimethylbenzenes, n-propylbenzene, isopropylbenzene, and xylenes, were also detected in several wells across both treatment areas. The maximum concentration of benzene was observed at 23 µg/L in LMW-37. The maximum concentrations of the remaining petroleum hydrocarbons were observed at LMW-42, at concentrations ranging from 30 to 450 µg/L. The 1,1,1-TCA Treatment Zone overlaps the DNAPL plume on-Site, which may have contributed to the petroleum hydrocarbon exceedances. The EZVI remedy was not designed to address petroleum hydrocarbons.

Iron and TOC are indicators of the distribution of the ZVI and EVO reagents, respectively. The baseline concentrations of total iron ranged from 295 to 37,300 µg/L, and the TOC concentrations ranged from 3,100 to 49,700 µg/L.

The primary competing electron acceptor at this Site is sulfate. The baseline concentrations of sulfate ranged from 10 to 338 milligrams per liter (mg/L). Concentrations of sulfide, the reduced product of sulfate, ranged from 1 to 1.6 mg/L.

Dissolved gases, including methane, are an indicator of bioremediation. Concentrations of EBAC, and specifically DHC, a bacterial group capable of complete anaerobic dechlorination of chlorinated ethenes and ethanes, are also a key parameter for bioremediation. The baseline concentrations of methane ranged from 140 to 15,000 µg/L. EBAC concentrations ranged from $8.31x10^3$ to $1.02x10^7$ cells per milliliter (cell/mL), which corresponds to an 11 to 82 percentile range in the Microbial Insights database. The DHC concentrations ranged from 0.5 to 768 cell/mL, which corresponds to a 9 to 64 percentile range in the Microbial Insights database. Typically, a DHC concentration of $1.0x10^4$ cells/mL is used as a screening criteria to identify locations where biological reductive dechlorination will proceed at sufficient rates. The DHC concentrations in all wells were below this screening criteria.

The optimal range of pH for microorganisms is between 6 and 8 standard units (S.U.). Optimal oxidation-reduction potential (ORP) levels for reductive dechlorination are below -150 millivolts (mV). The baseline pH levels ranged from 5.76 to 8.25 S.U., and the ORP levels ranged from -134 to 17 mV. To address the low pH levels, sodium bicarbonate was added as a buffer to the injection mix.

4.0 REMEDIAL IMPLEMENTATION

The EZVI injection event occurred between 7 and 28 July 2022. The injections were performed by Cascade, under direct supervision of Langan. A summary of the injection activities is provided below.

4.1 DPT Point Installation

Prior to the initiation of the injection, the Call Before You Dig (CBYD) utility mark-out service was contacted by the contractor to provide utility clearance.

Temporary injection points (IP) were established by a Geoprobe direct push technology (DPT) 7822DT track mounted rig and consisted of a 2.25-inch diameter, 2-foot long injection rod that was installed to the top of the confining clay layer. Sixteen injection points were installed in the Vinyl Chloride Treatment Zone and eighteen injection points were installed in the 1,1,1-TCA Treatment Zone. As discussed in Section 1.0, the area of 1,1,1-TCA Treatment Zone was decreased, based on the results of the baseline groundwater sampling, such that only the area with remaining 1,1,1-TCA concentrations was targeted. The exact location of injection points were shifted, as needed, based on observed field conditions. Injection point IP-06 was shifted to the east due to an open excavation and pile of stored rebar located to the west of LMW-36. As refusal was encountered at several injection point locations within the southern area (IP-38 and

IP-44 through IP-48) of the 1,1,1-TCA Treatment Zone, due to recently completed ground improvement activities in that area, the points were offset. The final injection point locations are shown on **Figure 2**.

4.2 Injection Mix and Delivery of Reagents

Water obtained from an off-Site hydrant was treated with sodium ascorbate to create anaerobic water for the injections. The EZVI totes, which contained a pre-blended mix of EVO, ZVI, DAP, and yeast extract, and bags of sodium bicarbonate were stored in a Conex box on-Site. The SDC-9™ culture was stored in kegs that were kept cold. All injection reagents were sourced from Terra Systems Inc. The safety data sheets (SDSs) for the injection reagents are provided in **Appendix D**. The volumes of reagents injected were monitored daily, and recorded on logs provided in **Appendix E**. The remedial amendments were transferred from the totes to Cascade's Chemgrout® pump and mixing system to mix the injection batches.

Each injection point had three vertical injection intervals, and the injections were implemented in a "bottom-up" approach. The injection mix was prepared in batches for each injection interval based on the revised volumes summarized in **Table 1**. For the Vinyl Chloride Treatment Zone, approximately 16 gallons of the undiluted EZVI was mixed with 10 pounds of sodium bicarbonate, and for the 1,1,1-TCA Treatment Zone, approximately 43 gallons of the undiluted EZVI was mixed with approximately 3.5 pounds of sodium bicarbonate. The SDC-9™ was added directly to the injection trough to avoid agitation and exposure to air. These reagents were pumped to the targeted interval, followed with up to 60 gallons of anaerobic chase water. The DPT injection tip was then pulled up two feet for the next injection interval, and was then pulled up one foot for the final injection interval. After the DPT injections, monitoring wells LMW-35 through LMW-51 were flushed with anaerobic water to prevent fouling of the well screens. A record of the reagent volumes injected into each interval is provided in **Appendix F**.

4.3 Injection Monitoring

During the EZVI injections, process parameters (injection pressure, flow rate, and volume) were monitored on a daily basis to assess if the injection process was implemented as per the EZVI Remedial Design. These injection process monitoring logs are provided in **Appendix F**. Groundwater quality parameters (pH, temperature, ORP, dissolved oxygen, turbidity, and conductivity) were measured at nearby monitoring wells in each respective treatment zone before, during, and after injection activities each day. In the Vinyl Chloride Treatment Zone, LMW-35 through LMW-39 were monitored, and in the 1,1,1-TCA Treatment Zone, LMW-40 through

LMW-51 were monitored. The collected groundwater quality parameters are provided in **Appendix G**. Visual observations of the well field during injections (i.e., daylighting) and water quality parameters from the anaerobic water tanks were recorded, and are provided in **Appendix H** and **Appendix I**, respectively.

A summary of Langan's observations made during injection activities are provided below.

- Groundwater quality monitoring data shows that changes in water quality were observed during the injections at both treatment zones. Generally, a decrease in ORP levels were observed. Additionally, visual and olfactory indications of the injection influence, including "milky" water, ZVI flakes, and bioremediation reagent odor were observed in monitoring wells in and around both treatment zones.

- Consistent collection of groundwater quality parameters at LMW-38, LMW-40, LMW-41, LMW-42, and LMW-50 was not conducted due to observation of free product, silting of the wells from ongoing construction activities, or accessibility issues.

- Daylighting was observed at multiple locations, typically immediately after injection at each point was completed when trying to extract the DPT rod, and at nearby abandoned boreholes. Upon discovery of surfacing, injections activities were halted and cleanup of the surfaced material was performed using absorbent pads/shovels. To address daylighting issues, the DPT rods in the injection area were capped and left for several hours until the back pressure dissipated. The completed injection points were backfilled with bentonite chips, and the injection points were installed in an order to prevent daylighting at a nearby recently completed point (i.e., IP-01 was completed after IP-04). A summary of daylighting observations is provided in **Appendix H**.

- In the Vinyl Chloride Treatment Zone, injection pressures ranged from 50 to 250 pounds per square inch (psi) and the injection flow rates ranged from 1.5 to 25 gallons per minute (gpm). In the 1,1,1-TCA Treatment Zone, the injection pressures ranged from 75 to 300 psi and the injection flow rate was approximately 7 gpm. High pressures were achieved to expand the injection radius of influence (ROI). A summary of the injection pressures and flow rates are provided in Appendix F.

- Based on the water quality changes observed during the injections, a ROI of approximately 5 to 15 feet was observed at the site during injections. Depth to

groundwater data did not follow a consistent trend and were therefore not used to estimate the ROI.

Overall, the delivery of remedial reagents was completed successfully and consistent with the revised design, summarized in **Table 1**. A photo log of the injection activities is provided in **Appendix J**. Cascade's remedial field services report, further documenting injection flow rates, pressures, and volumes, is provided in **Appendix K**.

4.4 Temporary Injection Well Abandonment

Upon completion of injection activities, the boreholes were backfilled with hydrated bentonite chips. The upper portions of the boreholes (approximately 6-inches) were filled with soil to match the existing surface. Investigation-derived waste generated during remediation activities at the site was containerized in 55-gallon steel drums and staged in a designated area.

4.5 Performance Monitoring

Groundwater monitoring events were performed three months and six months post-injection to evaluate remedial effectiveness within each treatment zone. Similar to the baseline sampling event (consistent method and targeted analytical compounds), performance monitoring samples were collected from LMW-35 through LMW-39 in the Vinyl Chloride Treatment Zone, and LMW-40 through LMW-51 in the 1,1,1-TCA Treatment Zone (**Figure 2**) on 27 October, 4 and 7 November 2022 (three month post-injection event), and 30 January through 1 February 2023 (six month post-injection event). Low flow groundwater sampling parameter sheets are provided in **Appendix C**.

5.0 HEALTH AND SAFETY

A site-specific construction health and safety plan (CHASP) was developed as part of the NYSDEC-approved RAWP, dated October 2021. This CHASP was revised to include reagent and chemical substance handling and storage guidelines, first aid and spill control measures, and exposure limits for all reagents, and was enforced to protect on-Site workers during the implementation of the EZVI remedy. Personal protective equipment (PPE) used while handling reagents included nitrite gloves, protective glasses, steel toed shoes, and hard hat.

Appropriate storage, handling, and spill cleanup guidelines were followed to minimize the potential for accidental release and exposure to injection reagents. The injection area and surroundings were continuously monitored for surfacing and leaks during the injection process.

In an event of surfacing, the injections were immediately stopped and the surfaced materials were be removed and contained in drums. At the end of each work day, once application of injection pressure was ceased, the injection area and surroundings were monitored for an additional thirty minutes to identify any potential surfacing or leaks. During this time the pressure at the injection points subsided to ambient conditions, reducing potential for surfacing. No surfacing or leaks were observed outside the injection area or around the Site during or after injections.

All injection reagents were stored on-Site within a secured area with secondary containment and appropriate labeling and warning signs.

6.0 COMMUNITY AIR MONITORING

Pursuant to the NYSDEC-approved RAWP, dated October 2021, air monitoring was conducted for particulates (i.e., dust) and VOCs during the injection activities. Dust suppression techniques were employed to limit potential for off-Site migration of soil and vapors. The air monitoring consisted of continuous perimeter monitoring of dust and organic vapor utilizing DustTrak aerosol monitors and PIDs capable of recording data and calculating 15-minute averages. Site perimeters were also monitored for visible dust and odors. CAMP exceedances of the 15-minute action levels were not observed at any time during the injection event and no visible dust from intrusive activity was observed migrating off-site. CAMP data is provided in **Appendix L**.

7.0 PERFORMANCE MONITORING RESULTS

A summary and analysis of critical parameters collected during the baseline and performance monitoring sampling events are provided below. The sampling results from these three events are summarized in **Table 2**, and the VOC results are shown on **Figure 3**. The laboratory data reports and data summary usability reports are provided in **Appendix M** and **Appendix N**, respectively.

7.1 Three Month Post-Injection Monitoring Results

During the three month post-injection monitoring event, the maximum concentrations of vinyl chloride and cis-1,2 DCE were observed at LMW-36, at 230 and 30 µg/L, respectively. These concentrations were lower than the baseline results. 1,1,1-TCA concentrations decreased to below the SGV in all wells. 1,1-DCA (daughter product) concentrations increased in LMW-48 to 21 µg/L, and decreased in LMW-49 to 6.1 µg/L. Concentrations of petroleum hydrocarbons were observed to have increased significantly, as compared to the baseline monitoring event. The

highest concentrations of all petroleum hydrocarbon exceedances were observed at LMW-41, at concentrations ranging from 30 to 2,300 µg/L.

On average, iron and TOC concentrations generally increased, as compared to the baseline event. The iron concentrations ranged from 400 to 42,300 µg/L, and TOC concentrations ranged from 1,300 to 90,600 µg/L.

Sulfate concentrations generally decreased compared to the baseline event, with concentrations ranging from 1 to 302 mg/L. Sulfide concentrations generally increased compared to the baseline event, with concentrations ranging from 1 to 5.6 mg/L. Sulfate reduction was anticipated, as the result of reducing conditions created by the EZVI injection.

On average, methane concentrations increased, with concentrations ranging from 540 to 12,000 µg/L. EBAC concentrations increased, with concentrations ranging from $1.74x10^6$ to $1.09x10^8$ cell/mL, which corresponds to a 58 to 97 percentile range in the Microbial Insights database. DHC concentrations increased, with concentrations ranging from 6.7 to $6.26x10^4$ cell/mL, which corresponds to a 26 to 88 percentile range in the Microbial Insights database. DHC concentrations above the screening criteria were observed at wells LMW-36, LMW-37, LMW-39, and LMW-40.

Decreases in pH and ORP are indicators of bioremediation. The injected organic substrate (EVO) is fermented to organic acids during bioremediation, which can decrease groundwater pH. Negative ORP values below -150 mV would indicate reducing conditions favorable for reductive dechlorination. On average, the pH decreased, with the lowest value observed at 3.7 S.U. in LMW-46. The pH increased significantly at LMW-51 to 11.6 S.U. Wells with pH values within the optimal pH range (6 - 8 S.U.) included LMW-35 through LMW-45. On average, the ORP values decreased, particularly in wells closest to injection points. Sufficient ORP values (less than -150 mV) were observed at LMW-35, LMW-37, LMW-38, LMW-39, LMW-50, and LMW-51, with the lowest ORP observed at -441 mV in LMW-37.

7.2 Six Month Post-Injection Monitoring Results

During the six month post-injection monitoring event, the maximum concentrations of vinyl chloride and cis-1,2 DCE were observed at LMW-36, at 190 and 16 µg/L, respectively. These concentrations were lower than the baseline and three month post-injection monitoring results. 1,1,1-TCA was not detected; however, the laboratory had to dilute the samples resulting in a reporting limit greater than the respective SGV. 1,1-DCA was detected at a maximum concentration of 18 µg/L at LMW-48, and was not detected above the SGV at LMW-49. Concentrations of petroleum hydrocarbons increased, as compared to the three month post-

injection monitoring event. The highest concentrations of all petroleum hydrocarbon exceedances were observed at LMW-41, at concentrations ranging from 52 to 3,800 µg/L.

Iron and TOC concentrations generally decreased, and were, on average, comparable to the baseline conditions. The iron concentrations ranged from 278 to 52,300 µg/L, and TOC concentrations ranged from 5,050 to 36,100 µg/L.

On average, sulfate concentrations increased as compared to the three month post-injection monitoring concentrations, but were, on average, lower than the baseline concentrations. Sulfate concentrations ranged from 1 to 347 mg/L. Sulfide concentrations generally increased, with concentrations ranging from 1 to 6.1 mg/L.

On average, methane concentrations increased, with concentrations ranging from 36 to 240,000 µg/L. EBAC concentrations increased, with concentrations ranging from $3.05x10^6$ to $5.60x10^8$ cell/mL, which corresponds to a 66 to 96 percentile range in the Microbial Insights database. DHC concentrations generally decreased as compared to the three month post-performance monitoring event, but were still higher than the baseline concentrations. DHC concentrations ranged from 4.5 to $3.02x10^4$ cell/mL, which corresponds to a 23 to 85 percentile range in the Microbial Insights database. DHC concentrations above the screening criteria were observed at wells LMW-36, LMW-37, and LMW-39.

pH values decreased, with levels ranging from 3.14 to 7.71 S.U. Wells with pH values within the optimal pH range (6 - 8 S.U.) included LMW-38, LMW-39, and LMW-41 through LMW-44. ORP values generally increased, as compared to the three month monitoring event. Sufficient ORP values (less than -150 mV) were observed at only LMW-38, LMW-39, and LMW-41.

8.0 PERFORMANCE MONITORING CONCLUSIONS/RECOMMENDATIONS

The concentrations of the COCs, vinyl chloride and 1,1,1-TCA were reduced, as compared to the baseline concentrations. Exceedances of 1,1,1-TCA were not observed during the three or six month post-injection monitoring event. Vinyl chloride exceedances are still present at LMW-36, LMW-37, LMW-40, and LMW-48. The concentration of vinyl chloride exceeds the SGV by over one order of magnitude at LMW-36, LMW-40, and LMW-48. The pH levels at these wells are below the optimal range, ranging from 3.14 to 4.42 S.U. At these levels, microbial activities can be inhibited. Additional groundwater quality parameters were collected from LMW-36, LMW-37, LMW-40, and LMW-48 in April 2023 to monitor the pH conditions. A grab sample for these parameters were collected from each well after three well volume purges. The additional

groundwater quality readings are provided in **Appendix O**. The pH observed in these wells ranged from 6.38 to 7.84.

Based on the six month post-injection monitoring results, only LMW-36 has a sufficient concentration of DHC to facilitate the reductive dechlorination pathway. Additionally, the ORP values at these wells are all above -150 mV, indicating that desired reducing conditions are no longer present.

Completion of an additional focused injection is proposed to be conducted around the wells with COC concentrations greater than one order of magnitude above the SGV (LMW-36, LMW-40, and LMW-48). The additional injection reagents and dosages will be generally consistent with the previous injections, while accounting for specific geochemical conditions that may exist. The additional injection is proposed to be performed via DPT. The design for the proposed additional injection event is provided in Section 9.0.

9.0 ADDITIONAL REMEDIAL INJECTION

The injection solution for the additional injection event will consist of similar reagents as the previous injection event. The reagents will consist of EVO, ZVI, nutrients (yeast extract, and DAP), and bioaugmentation culture SDC-9™. The reagent demands and injection volumes for the additional injection event are summarized on **Table 3**.

The following tasks will be completed as a part of the additional EZVI injection implementation, and are described herein.

- Health and Safety Requirements
- Permit and Notifications;
- Mobilization;
- Injection Event;
- Community Air Monitoring; and
- Post-Injection Groundwater Monitoring Events.

9.1 Health and Safety Requirements

The site-specific construction health and safety plan (CHASP) included in the 2022 Emulsified Zero-Valent Iron Remedial Design will be enforced to protect on-Site workers during the implementation of the additional EZVI injection event. PPE to be used while handling of reagents will include full-face respirators, as applicable, chemical resistant coveralls and booties, nitrite

gloves, steel toed shoes, and hard hat. A job safety analysis will be prepared before all field activities.

Appropriate storage, handling, and spill cleanup guidelines will be followed to minimize the potential for accidental release and exposure to injection reagents. The injection area and surroundings will be continuously monitored for surfacing and leaks during the injection process. In an event of surfacing or leak, the injections will be immediately stopped and the leaked or surfaced materials will be removed and contained in drums. At the end of each work day, once application of injection pressure is ceased, injection area and surroundings will be monitored for additional half hour to identify any potential surfacing or leaks. During this time the pressure at the injection points is expected to subside to ambient conditions, reducing potential for surfacing.

All injection reagents will be stored on-Site within a secured area with secondary containment and appropriate labeling and warning signs.

9.2 Permits and Notifications

An underground control notification letter along with Inventory of Injection Wells form (USEPA form 7520-16) and a copy of the approved design for the additional remedial injection event will be submitted to the USEPA before field activities for injections are started.

A permit for access to the City fire hydrant will be requested from the Department of Environmental Protection. Hydrant water will be used to provide dilution water for injection activities.

9.3 Mobilization

Prior to starting the injection activities, Langan and its subcontractors will mobilize the necessary equipment and reagents to the Site. Mobilization will be completed over the course of one to two days. Reagents and equipment mobilized to the Site will be staged adjacent to the treatment areas (**Figure 4**). Equipment needed for the injection includes the following: air compressor, generator, injection mixing totes, electric mixer, injection hoses, injection pumps, injection manifold, injection trailer, well head fittings, groundwater sampling/monitoring equipment, work zone and perimeter air monitoring equipment, and 55-gallon steel drums. Reagents will be delivered to the Site. The reagents will be sourced from Terra Systems, Inc. (Claymont, DE). All mixing and injection equipment will be staged within secondary containment in the treatment areas. Water for dilution of injection reagents will be sourced directly from a nearby fire.

The proposed injection locations and monitoring wells are located in an open area without access restrictions. Injection locations will be finalized based on field observations previous DPT injections.

9.4 Injection

The injection event will include preparation of the injection mix and injection of the reagents at the temporary injection points. The injection will follow similar procedures to the previous injection event.

Injection Mix: A solution of reagents in water will be prepared in small batches (about 100-200 gallons) and will be continuously mixed to avoid settling of solids. Injection reagent concentrations for the additional injection event are provided in **Table 3**. Dilution water for injection activities will be provided from a nearby fire hydrant. To avoid exposure of oxygen-sensitive SDC-9™ bioaugmentation culture to air during preparation of injection solution, the culture will be added directly in the injection manifold. Anaerobic water (with less than 0.5 grams per liter (g/L) of dissolved oxygen and prepared with eight pounds of sodium ascorbate reductant per 1,000 gallons of water) will be used as chase water.

Injections: The injection mix will be applied within the treatment zones using temporary injection points that will be installed using direct push technology (DPT). Injections at each location will be performed using a bottom-up injection approach, using 1- to 2-foot lifts within the five foot interval above the top of the confining clay layer, which varied from approximately 13 to 20 ft. bgs across the treatment area. The injection reagent will be pumped from the mixing tank to the well head through an injection manifold. The injection manifold will be equipped with ball valves, pressure gauges, and flow totalizers to regulate and monitor the injection flow. Each injection location will be fitted with a well head that will be equipped with a pressure gauge. It is anticipated that 3 injection points will be installed around each of the targeted wells (total of 9 injection points); however, the number of injection points may be altered in the field based on observations made during the injections. Nearby monitoring wells will be sealed during injection to prevent daylighting. Each temporary injection point will be flushed with chase water after reagents are injected, to rinse the injection hoses and push reagents away from the injection location. The borings will be abandoned by backfilling with bentonite chips. Additionally, at the end of the injection event, each of the three targeted wells (LMW-36, LMW-40, and LMW-48) will be flushed with anaerobic water to prevent fouling of the well screens.

9.5 Community Air Monitoring

Pursuant to the NYSDEC-approved RAWP, dated October 2021, air monitoring will be conducted for particulates (i.e., dust) and VOCs during intrusive activities. Dust and/or vapor suppression techniques will be employed to limit potential for off-Site migration of soil and vapors. The air monitoring will include continuous perimeter monitoring of dust and organic vapor utilizing DustTrak aerosol monitors and PIDs capable of recording data and calculating 15-minute averages. A field engineer, scientist, or geologist will also monitor Site perimeters for visible dust and odors.

9.6 Injection Monitoring

Injection monitoring consists of batch, field, and process monitoring. The injection monitoring plan is summarized in **Table 4**. Injection monitoring will be conducted at LMW-36, LMW-37, LMW-40, LMW-48, and LMW-49.

Batch Monitoring: During preparation of each batch of injection solution, the mixing ratios and volumes will be recorded.

Field Monitoring: Water quality parameters (pH, temperature, ORP, dissolved oxygen, turbidity, TDS, and conductivity) as well as depth to water will be measured at each monitoring location before the start of injection each day, and at the end of the day, if there is no pressure in the wells after injection activities are completed. A field monitoring plan is provided in **Table 4**. Field monitoring will be used to assess the radius of influence of injections, to the extent possible. In addition, monitoring will be performed to identify leaks and surfacing of injection fluid at the injection wells heads, and within and around the treatment zone. Any injection fluid that surfaces will be contained in 55-gallon plastic drums and disposed of off-Site.

Process Monitoring: During the injection, process parameters (injection pressure, flow rate, and volume) will be monitored. The process monitoring will be performed to assess the injection process.

Preparation of batches of injection solutions, the injection process parameters, and field monitoring will be recorded in field logs.

In the event that is determined, both through field and process monitoring, that the injection solution is not being distributed in the subsurface as anticipated, steps will be taken to alter the

proposed dosages and injection rates based on the site-specific constraints and allow for an effective injection event, as outlined in the 2022 Emulsified Zero-Valent Iron Remedial Design.

9.7 Post-Injection Performance Monitoring

Groundwater monitoring events will be performed three months and six months post-injection to evaluate remedial effectiveness within each treatment zone. Groundwater samples will be collected from the three targeted monitoring wells, LMW-36, LMW-40, and LMW-48 (**Figure 4**) and nearby LMW-37 via the low-flow method and will be analyzed for VOCs, iron (total and dissolved), manganese, sulfate, sulfide, chloride, dissolved gases (methane, ethene, ethane), TOC, alkalinity, DHC and EBAC. Note that a reduced monitoring plan is proposed for this round of monitoring – nitrate and nitrite were removed because these compounds were generally not detected during the baseline and performance monitoring events for the previous injection. The analytical monitoring plan for the additional injection event is provided in **Table 5**. Depth to water measurements and groundwater quality parameters including pH, temperature, ORP, DO, turbidity, TDS, and conductivity will be collected during each groundwater monitoring event. Purged groundwater collected during the sampling event will be contained in 55-gallon drums and properly disposed of off-Site.

10.0 DNAPL RECOVERY WELL INSTALLATION AND MONITORING

Between 21 and 27 January 2022, nine recovery wells (RW-1 through RW-9) were installed at the Site for removal and off-Site disposal of NAPL/product within AOC-4. Recovery wells were installed to target NAPL/product above the clay layer, which was detected between 11 and 14 ft. bgs. All recovery wells were installed with 6-inch schedule 40 PVC pipe with a 10-foot 0.030-inch screen slot size and a 1.5-foot sump. Each well was developed until purge water was noticeably lighter in color. Between 27 and 75 gallons of purge water were removed from each well and stored in 55-gallon drums for off-site disposal. Recovery well installation logs will be provided in the forthcoming Final Engineering Report (FER). Locations of recovery wells are presented on Figure 2.

Twenty-eight product recovery events were completed with either a 2,900- or 4,200-gallon capacity vacuum truck between 3 March 2022 and 11 July 2022. NAPL and water were removed from each of the nine recovery wells using a PVC stinger tube and hosing. The opening of the stinger tube was placed at the groundwater interface and liquid was extracted until observably clear. The stinger tube was then lowered to the sump at the bottom of each well to extract the liquid until observably clear. Two rounds of extraction were completed at each well and a third

round of extraction was completed at recovery wells RW-5 and RW-9 due to the persistent presence of NAPL. A total of approximately 1,705 gallons of DNAPL were removed during these activities as shown on Table 6. Disposal documentation will be provided in the forthcoming FER.

Product recovery was suspended following the 11 July 2022 recovery event due to the impending remedial injection activities proposed for the vinyl chloride and 1,1,1-TCA treatment areas. Langan continued to gauge monitoring and recovery wells, as accessible based on construction activities, to monitor the volume of accumulated NAPL in each sump as shown in Table 7. On 6 October 2022, NAPL was observed within LMW-38 and LMW-39 in advance of the three month post-injection groundwater monitoring event. By 31 January 2023 and in advance of the six month post-injection groundwater monitoring event, NAPL was observed to have migrated into LMW-41A. Absorbent socks were deployed in LMW-38, LMW-39, and LMW-41A and replaced as necessary. On-going recovery efforts include daily hand-bailing of product (conducted between 6 October 2022 and 13 October 2022 and resumed on 3 April 2023) and replacing saturated absorbent socks (began on 6 October 2022). At this time, approximately 30 gallons of NAPL have been recovered from hand-bailing methods. Hand-bailing will be suspended at the onset of the proposed additional remedial injections (as discussed in Section 9.0).

Overall, the measured volume of NAPL has notably reduced since recovery efforts began in March 2022. RW-5 and RW-9, in which the thickest layers of NAPL were routinely measured, have not contained measurable NAPL since July 2022. In wells LMW-38 and LMW-39 the amount of DNAPL has reduced since the onset of sock deployment in November 2022. LMW-41 is currently damaged and inaccessible. As the well contains measurable NAPL, the well will be repaired in advance of the additional remedial injections for the continuation of monitoring and recovery.

The current network of wells that are present on the Site and/or will be reinstalled to support the additional injection monitoring scope is sufficient to monitor the presence of NAPL and continue recovery efforts as shown on **Figure 5**. Recovery events, specifically vacuum truck recovery, will be conducted in advance of the proposed additional injection event. After the injection event, accessible monitoring and recovery wells will be monitored for DNAPL. Wells observed to contain DNAPL will have an absorbent sock placed in the well and will be evaluated daily.

11.0 REPORTING

Following the injection event, the injection volumes, reagent dosage, injection and field monitoring data, and performance monitoring data will be reported to NYSDEC.

12.0 SCHEDULE

Following approval from the NYSDEC, implementation of the remediation activities proposed herein is expected to progress under the following schedule:

	Task	Duration
1	Well installation and repairs	One week
2	NAPL recovery via vactor truck and/or hand bailing efforts	Weekly after well installation and repairs and until remedial injections begins
3	Mobilization, injections, and injection monitoring	One week
4	NAPL monitoring and sock recovery	Daily (as needed)
5	Post-injection performance monitoring	Two events, each lasting 1 day, will be performed at three months and six months after injections
6	Reporting	Final injection report will be submitted within seven months after the additional injection event.

TABLES

Table 1
Remedial Progress Report
Reagent Demand & Injection Volume Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Enhanced ZVI Remedial Design		Vinyl Chloride Treatment Zone	1,1,1-TCA Treatment Zone
Treatment Zone			
Area	square feet	2,650	3,392
Depth Interval	feet bgs	8 to 13	8 to 13
Treatment Thickness	feet	5	5
Volume of the Treatment Zone	cubic feet	13,250	16,959
Soil Density	lb/cu ft	110	110
Treatment Soil Mass	Kilograms	662,500	847,969
Porosity	-	0.3	0.3
Pore Volume within Treatment Area	gallons	29,733	38,057
Pore Volume within Treatment Area	liters	112,539	144,045
%Target Injection Volume	%	10%	10%
Target Injection Volume	gallons	2,973	3,806
Target Injection Volume	liters	11,254	14,405
Injection ROI	feet	10.0	10.0
Number of Injection Points	points	16	18
Reagent Dosage			
EVO Dosage	g/kg	3.75	9.00
ZVI Dosage	g/kg	2.50	6.00
*Additional Yeast Extract	mg/L	500	500
*Additional Diammonium Phosphate	mg/L	500	500
Sodium Bicarbonate	lb/L	0.004	0.001
SDC-9™ Dosage	cell/ml	1.00E+08	1.00E+08
Reagent Demand			
EVO Demand	pounds	5,472	16,810
ZVI Demand	pounds	3,648	11,207
Yeast Extract Demand	pounds	25	56
Diammonium Phosphate Demand	pounds	25	56
SDC-9™ Demand	gallons	5.9	13.5
SDC-9™ Demand	liters	23	53
Reagent Volumes			
EVO + ZVI Mix	gallons	760	2,340
SDC-9™	liters	23	53
Sodium Bicarbonate	lb	500	200
**Minimum Chase Water	gallons	480	540
**Maximum Chase Water	gallons	1,200	1,350
Injection Volume At Each Injection Point			
EVO + ZVI Mix	gallons	48	130
SDC-9™	liters	1.4	2.9
Sodium Bicarbonate	lb	31	11
**Minimum Chase Water	gallons	30	30
**Maximum Chase Water	gallons	75	75
Injection Volume At Each Injection Interval (3 Intervals per Point)			
EVO + ZVI Mix	gallons	16	43
SDC-9™	liters	0.47	1.0
Sodium Bicarbonate	lb	10	3.7
**Minimum Chase Water	gallons	10	10
**Maximum Chase Water	gallons	25	25

Notes:
lb/ cu ft - pounds per cubic feet
g/Kg - grams per kilogram
mg/L - milligrams per liter
cell/ml - cells per milliliter
EVO - emulsified vegetable oil
ZVI - Zero valent iron
ROI - Radius of influence
% - Percent

* - Yeast extract and diammonium phosphate are included in commercial EVO formulation. Additional dosage of yeast extract and diammonium phosphate will be added to facilitate microbial growth.

** - Reagents were injected as a neat volume, followed up with chase water (anaerobic).

1. 44 micron ZVI and 5 micron droplet size EVO were used.

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month	6-Month
			Location	LMW-35	LMW-35	LMW-35	LMW-36	LMW-36	LMW-36	LMW-36
			Sample Name	LMW-35_062322	LMW-35_20221027	LMW-35_20230131	LMW-36_062322	LMW-36_20221027	LMW-36_20230131	DUP_20230131
			Sample Date	06/23/2022	10/27/2022	01/31/2023	06/23/2022	10/27/2022	01/31/2023	01/31/2023
			Unit	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	<0.2 U	<1 U	<2.5 U	0.44 J	<1 U	<0.5 U	<0.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	1.3	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	0.61	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<200 U	<200 U	<40 U	<200 U	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<1 U	<2.5 UJ	<0.2 U	<1 U	<0.5 U	<0.5 U
Acetone	67-64-1	**50**	ug/l	<1 U	<5 U	<10 U	<1 U	<5 U	<2 U	<2 U
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<1 U	<2.5 U	<0.2 UJ	<1 U	<0.5 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	**13**	**46 D**	**16 D**	**18**	**15 D**	**11**	**11**
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<1 U	<2.5 U	0.34 J	<1 U	<0.5 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<0.2 U	<1 U	<2.5 U	**97 D**	**30 D**	**16**	**15**
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	1.6	4.8 D	2.3 JD	0.99	1.1 JD	0.88	0.8
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	**26**	<1 U	<2.5 U	0.5	1.5 JD	0.57	0.52
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	2.1	4.9 D	2 JD	0.2 J	<1 U	0.33 J	0.3 J
M,P-Xylene	179601-23-1	**5**	ug/l	**10**	<2.5 U	<5 U	<0.5 U	<2.5 U	<1 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<1 U	<2.5 UJ	<0.2 U	<1 U	<0.5 U	<0.5 U
Methylcyclohexane	108-87-2	NS	ug/l	0.64	1.7 JD	<2.5 U	0.58	<1 U	0.57	0.51
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	**19 J**	<10 U	<1 U	<5 U	<2 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U	<1 UJ	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	0.51	1 JD	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	**5.2**	<1 U	<2.5 U	0.2 J	<1 U	<0.5 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	0.31 J	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<2.5 U	<5 U	<0.5 U	<2.5 U	<1 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<1 UJ	<2.5 UJ	<0.2 UJ	<1 UJ	<0.5 UJ	<0.5 U
Toluene	108-88-3	**5**	ug/l	0.95	<1 U	<2.5 U	0.38 J	<1 U	<0.5 U	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	**16**	<3 U	<7.5 U	<0.6 U	<3 U	<1.5 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<1 U	<2.5 U	1.6	<1 U	0.72	0.69
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<1 U	<2.5 UJ	<0.2 U	<1 U	<0.5 U	<0.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<1 U	<2.5 U	<0.2 U	<1 U	<0.5 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	0.38 J	<1 U	<2.5 U	**270 D**	**230 D**	**190 D**	**190 D**

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month	6-Month
			Location	LMW-35	LMW-35	LMW-35	LMW-36	LMW-36	LMW-36	LMW-36
			Sample Name	LMW-35_062322	LMW-35_20221027	LMW-35_20230131	LMW-36_062322	LMW-36_20221027	LMW-36_20230131	DUP_20230131
			Sample Date	06/23/2022	10/27/2022	01/31/2023	06/23/2022	10/27/2022	01/31/2023	01/31/2023
			Unit	Result	Result	Result	Result	Result	Result	Result
Metals - Dissolved										
Iron	7439-89-6	**300**	ug/l	**388**	<278 U	**1,610**	<278 U	<278 U	**2,130 J**	**3,050 J**
Manganese	7439-96-5	**300**	ug/l	**353**	126	169	**506**	**395**	268	270
Metals - Total										
Iron	7439-89-6	**300**	ug/l	**3,100**	**503**	**4,040**	**23,200**	**918**	**2,290 J**	**3,820 J**
Manganese	7439-96-5	**300**	ug/l	**359**	130	173	**642**	**394**	263	267
General Chemistry										
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	530,000	430,000	470,000	320,000	320,000	220,000	200,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**349,000 D**	194,000 D	220,000 D	**524,000 D**	158,000 D	92,000 D	NA
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 UJ	59.7	<50 U	<50 U	<500 UJ	50
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 U	<50 U	<50 U	<50 U	<500 UJ	<50 UJ
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	162,000 D	133,000 J	160,000 D	**332,000 D**	203,000 D	**347,000 D**	NA
Sulfide	18496-25-8	**50**	ug/l	**1,600**	<2,400 U	**3,200**	**1,400**	<1,600 U	**2,900**	**3,400**
Total Dissolved Solids	TDS	NS	ug/l	1,610,000	1,240,000	1,080,000	1,700,000	1,150,000	932,000	948,000
Total Organic Carbon	TOC	NS	ug/l	14,500	12,400	9,840	49,700	12,300	5,050	4,930
Fixed Gases										
Ethane	74-84-0	NS	ug/l	<5 U	<10 U	<10 U	8.7	<10 U	<10 U	<10 U
Ethene	74-85-1	NS	ug/l	<5 U	<10 U	<10 U	<5 U	14	<10 U	<10 U
Methane	74-82-8	NS	ug/l	140	760	660	1,100	1,300	1,000	1,000

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-37	LMW-37	LMW-37	LMW-37	LMW-38	LMW-38	LMW-38
			Sample Name	LMW-37_062322	LMW-37_20221027	DUP_20221027	LMW-37_20230131	LMW-38_062322	LMW-38_20221027	LMW-38_20230201
			Sample Date	06/23/2022	10/27/2022	10/27/2022	01/31/2023	06/24/2022	10/27/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	0.52	<2 U	<2 U	<5 U	1.1	<2 U	<5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	0.94	3 JD	2.8 JD	<5 U	**22**	**36 D**	**56 D**
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	0.44 J	<2 U	<2 U	<5 U	**9.9**	**17 D**	**30 D**
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<400 U	<400 U	<400 U	<40 U	<400 U	<400 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<2 U	<2 U	<5 UJ	<0.2 U	<2 U	<5 U
Acetone	67-64-1	**50**	ug/l	<1 U	28 D	28 D	<20 U	2 J	28 D	<20 U
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<2 U	<2 U	<5 U	<0.2 UJ	<2 U	<5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Benzene	71-43-2	**1**	ug/l	**23**	**12 D**	**11 D**	**8.5 D**	**8.9**	**11 D**	<5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Carbon Disulfide	75-15-0	60	ug/l	0.23 J	<2 U	<2 U	4.2 JD	<0.5 U	<2 U	<5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	**17**	3.5 JD	3.5 JD	2.7 JD	4.8	<2 U	<5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Cyclohexane	110-82-7	NS	ug/l	1.3	<2 U	<2 U	<5 U	2.4	3.9 JD	5 D
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Ethylbenzene	100-41-4	**5**	ug/l	**9.9**	**20 D**	**18 D**	**9.8 D**	**77**	**160 D**	**210 D**
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	1	2.2 JD	2.2 JD	<5 U	**20**	**30 D**	**44 D**
M,P-Xylene	179601-23-1	**5**	ug/l	3.4	**9.1 JD**	**8.1 JD**	<10 U	**26**	**47 D**	**70 D**
Methyl Acetate	79-20-9	NS	ug/l	0.27 J	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	2.8 JD	<2 U	<5 U	<0.2 U	10 D	<5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<2 U	<2 U	<5 UJ	<0.2 U	<2 U	<5 U
Methylcyclohexane	108-87-2	NS	ug/l	0.87	<2 U	<2 U	<5 U	7.7	17 D	26 D
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	<10 U	<10 U	<20 U	<1 U	<10 U	**69 J**
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	0.51 J	<2 U	<5 U
n-Propylbenzene	103-65-1	**5**	ug/l	0.37 J	<2 U	<2 U	<5 U	**12**	**18 D**	**28 D**
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	2.6	**5.3 D**	4.9 JD	2.8 JD	**21**	**33 D**	**43 D**
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<2 U	<2 U	<5 U	2.7	3.3 JD	5.9 D
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	1	<2 U	2.1 JD
Styrene	100-42-5	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<5 U	<5 U	<10 U	<0.5 U	<5 U	<10 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<2 UJ	<2 UJ	<5 UJ	<0.2 UJ	<2 UJ	<5 UJ
Toluene	108-88-3	**5**	ug/l	1.3	<2 U	<2 U	<5 U	1.9	4.7 JD	**5.1 D**
Total Xylenes	1330-20-7	**5**	ug/l	**6**	**14 JD**	**13 JD**	**6.2 JD**	**48**	**80 D**	**110 D**
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	0.41 J	<2 U	<2 U	<5 U	0.24 J	<2 U	<5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<2 U	<2 U	<5 UJ	<0.2 U	<2 U	<5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<2 U	<2 U	<5 U	<0.2 U	<2 U	<5 U
Vinyl Chloride	75-01-4	**2**	ug/l	**200 D**	**8.2 D**	**8.6 D**	**5.4 D**	**71 D**	**4.2 JD**	<5 U

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-37	LMW-37	LMW-37	LMW-37	LMW-38	LMW-38	LMW-38
			Sample Name	LMW-37_062322	LMW-37_20221027	DUP_20221027	LMW-37_20230131	LMW-38_062322	LMW-38_20221027	LMW-38_20230201
			Sample Date	06/23/2022	10/27/2022	10/27/2022	01/31/2023	06/24/2022	10/27/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result	Result
Metals - Dissolved										
Iron	7439-89-6	**300**	ug/l	<278 U	<278 U	<278 U	**7,040**	**3,000**	<278 U	**581**
Manganese	7439-96-5	**300**	ug/l	**517**	**343**	**318**	**371**	**1,090**	**858**	**429**
Metals - Total										
Iron	7439-89-6	**300**	ug/l	**9,040**	**6,130**	**6,270**	**7,460**	**35,000**	**16,300**	**714**
Manganese	7439-96-5	**300**	ug/l	**516**	**325**	**338**	**364**	**1,460**	**921**	**414**
General Chemistry										
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	360,000	420,000	410,000	400,000 J	430,000	530,000	510,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**484,000 J**	213,000 D	196,000 D	178,000 D	**527,000 D**	241,000 D	**295,000 D**
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	348	337	84.6	<50 U	<50 U	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	**6.4 J**	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	**325,000 J**	107,000 D	109,000 D	172,000 D	**289,000 D**	1,850	142,000 D
Sulfide	18496-25-8	**50**	ug/l	**1,100**	<1,600 U	<4,800 U	**3,200**	**1,400**	<1,600 U	**6,100**
Total Dissolved Solids	TDS	NS	ug/l	1,540,000	1,160,000	1,170,000	594,000 J	1,620,000	1,120,000	1,320,000
Total Organic Carbon	TOC	NS	ug/l	8,800	90,600	86,400	25,300	4,000 J	80,900	13,900
Fixed Gases										
Ethane	74-84-0	NS	ug/l	8.1	<100 U	<100 U	<1,000 U	7.2	<100 U	<10,000 U
Ethene	74-85-1	NS	ug/l	<5 U	<100 U	<100 U	<1,000 U	6.8	<100 U	<10,000 U
Methane	74-82-8	NS	ug/l	970	12,000 D	14,000 D	52,000 D	760	12,000 D	240,000 D

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-39	LMW-39	LMW-39	LMW-40	LMW-40	LMW-40
			Sample Name	LMW-39_062422	LMW-39_20221027	LMW-39_20230201	LMW-40_062422	LMW-40_20221107	LMW-40_20230201
			Sample Date	06/24/2022	10/27/2022	02/01/2023	06/23/2022	11/07/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	1.6	<2 U	<5 U	2.7	**6.3**	4.7
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	3.9	**34 D**	**25 D**	<0.2 U	0.46 J	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	2.4	**16 D**	**11 D**	<0.2 U	0.22 J	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<400 U	<400 U	<40 U	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Acetone	67-64-1	**50**	ug/l	1.1 J	<10 U	<20 U	<1 U	1.2 J	<2 U
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<2 U	<5 U	<0.2 UJ	<0.2 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	**14**	**21 D**	<5 U	**4.3**	**7.8**	**5.1**
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<2 U	<5 U	0.27 J	0.34 J	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	**5.5**	<2 U	<5 U	2.2	3.1	2.6
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	2.4	4.5 JD	3.5 JD	1.2	0.75	0.56
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	**24**	**140 D**	**93 D**	**6.2**	1.4	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	**6.2**	**29 D**	**22 D**	1.1	0.44 J	<0.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	**9**	**38 D**	**25 D**	1.3	<0.5 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Methylcyclohexane	108-87-2	NS	ug/l	7.1	22 D	18 D	0.36 J	0.5	<0.5 U
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	<10 U	**54 J**	<1 U	<1 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 UJ	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	2.6	**18 D**	**14 D**	0.22 J	0.27 J	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	**9.2**	**28 D**	**18 D**	1.2	0.3 J	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	0.57	2.9 JD	3.1 JD	<0.2 U	<0.2 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	0.52	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<5 U	<10 U	<0.5 U	<0.5 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<2 U	<5 U	0.26 J	0.38 J	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<2 UJ	<5 UJ	<0.2 UJ	<0.2 UJ	<0.5 UJ
Toluene	108-88-3	**5**	ug/l	1.1	3.6 JD	2.2 JD	0.25 J	0.25 J	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	**18**	**66 D**	**43 D**	2.4	0.79 J	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	0.46 J	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<2 U	<5 U	<0.2 U	<0.2 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	**24 D**	<2 U	<5 U	**69**	**33**	**24**

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-39	LMW-39	LMW-39	LMW-40	LMW-40	LMW-40
			Sample Name	LMW-39_062422	LMW-39_20221027	LMW-39_20230201	LMW-40_062422	LMW-40_20221107	LMW-40_20230201
			Sample Date	06/24/2022	10/27/2022	02/01/2023	06/23/2022	11/07/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result
Metals - Dissolved									
Iron	7439-89-6	**300**	ug/l	<278 U	<278 U	<278 U	<278 U	**12,800**	**20,600**
Manganese	7439-96-5	**300**	ug/l	**610**	154	228	**667**	**474**	**643**
Metals - Total									
Iron	7439-89-6	**300**	ug/l	**8,310**	**400**	<278 U	**15,100**	**13,200**	**19,700**
Manganese	7439-96-5	**300**	ug/l	**665**	158	219	**779**	**491**	**620**
General Chemistry									
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	260,000	590,000	400,000 J	360,000	420,000	430,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**374,000 D**	179,000 D	171,000 D	**435,000 D**	**391,000 D**	**267,000 D**
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 U	<50 U	<50 U	<50 UJ	51.5
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 U	<50 U	<50 U	<50 UJ	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	228,000 D	1,700	135,000 D	**338,000 D**	NA	132,000 D
Sulfide	18496-25-8	**50**	ug/l	**1,400**	<5,600 U	**5,900**	**1,600**	**2,200**	**1,300**
Total Dissolved Solids	TDS	NS	ug/l	1,370,000	1,080,000	963,000	1,480,000	1,070,000	1,130,000
Total Organic Carbon	TOC	NS	ug/l	7,200 J	22,700	8,250	35,500	9,690	8,260
Fixed Gases									
Ethane	74-84-0	NS	ug/l	7.7	160 D	<10,000 U	<5 U	<50 U	<1,000 U
Ethene	74-85-1	NS	ug/l	8.2	<100 U	<10,000 U	8.7	<50 U	<1,000 U
Methane	74-82-8	NS	ug/l	620	12,000 D	160,000 D	710	3,600 D	24,000 D

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-41	LMW-41	LMW-41	LMW-42	LMW-42	LMW-42
			Sample Name	LMW-41_062322	LMW-41_20221107	LMW-41_20230201	LMW-42_062322	LMW-42_20221107	LMW-42_20230201
			Sample Date	06/23/2022	11/07/2022	02/01/2023	06/23/2022	11/07/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	<0.2 U	2.4 JD	<25 U	<0.2 U	<2 U	<5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	<0.2 U	2.8 JD	<25 U	<0.2 U	<2 U	<5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	**8.1**	**130 D**	**200 D**	**78**	**78 D**	**56 D**
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	1.6	**62 D**	**98 D**	**30**	**26 D**	**19 D**
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<400 U	<2,000 U	<40 U	<400 U	<400 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<2 U	<25 U	0.57	<2 U	<5 U
Acetone	67-64-1	**50**	ug/l	1 J	<10 U	<100 U	<1 U	<10 U	<20 U
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<2 U	<25 U	<0.2 UJ	<2 U	<5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Benzene	71-43-2	**1**	ug/l	**7.3**	**120 D**	**180 D**	**18**	**23 D**	<5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Cyclohexane	110-82-7	NS	ug/l	6.3	20 D	28 D	13	11 D	8.5 D
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Ethylbenzene	100-41-4	**5**	ug/l	**30**	**2,300 D**	**3,800 D**	**450 D**	**680 D**	**390 D**
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	**16**	**120 D**	**180 D**	**69**	**68 D**	**53 D**
M,P-Xylene	179601-23-1	**5**	ug/l	**13**	**1,100 D**	**1,900 D**	**120**	**94 D**	**56 D**
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Methylcyclohexane	108-87-2	NS	ug/l	18	47 D	58 D	35	28 D	21 D
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	**40 J**	**310 J**	<1 U	**34 J**	**77 J**
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U	<2 UJ	<25 U	<0.2 U	<2 UJ	<5 U
n-Propylbenzene	103-65-1	**5**	ug/l	**7.6**	**57 D**	**88 D**	**39**	**35 D**	**25 D**
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	**12**	**450 D**	**740 D**	**150 D**	**150 D**	**96 D**
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	6.4 D	10 JD	5.2	4.7 JD	3.9 JD
Sec-Butylbenzene	135-98-8	5	ug/l	0.32 J	<2 U	<25 U	1.7	<2 U	<5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<5 U	<50 U	<0.5 U	<5 U	<10 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<2 UJ	<25 UJ	<0.2 UJ	<2 UJ	<5 UJ
Toluene	108-88-3	**5**	ug/l	0.79	**30 D**	**52 D**	**5.6**	4.5 JD	2.5 JD
Total Xylenes	1330-20-7	**5**	ug/l	**25**	**1,500 D**	**2,600 D**	**270 D**	**240 D**	**150 D**
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U
Vinyl Chloride	75-01-4	**2**	ug/l	<0.2 U	<2 U	<25 U	<0.2 U	<2 U	<5 U

Table 2
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Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-41	LMW-41	LMW-41	LMW-42	LMW-42	LMW-42
			Sample Name	LMW-41_062322	LMW-41_20221107	LMW-41_20230201	LMW-42_062322	LMW-42_20221107	LMW-42_20230201
			Sample Date	06/23/2022	11/07/2022	02/01/2023	06/23/2022	11/07/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result
Metals - Dissolved									
Iron	7439-89-6	**300**	ug/l	**2,770**	**7,090**	**29,200**	**1,190**	**40,000**	**53,900**
Manganese	7439-96-5	**300**	ug/l	**821**	**1,430**	**1,850**	**1,420**	**1,760**	**1,910**
Metals - Total									
Iron	7439-89-6	**300**	ug/l	**37,300**	**26,800**	**28,900**	**30,900**	**39,900**	**52,300**
Manganese	7439-96-5	**300**	ug/l	**839**	**1,530**	**1,850**	**1,500**	**1,760**	**1,880**
General Chemistry									
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	540,000	320,000	320,000 J	420,000	330,000	300,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	226,000 D	**289,000 D**	239,000 D	**340,000 D**	**544,000 D**	**591,000 D**
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 UJ	<50 UJ	<50 U	<50 UJ	51.8
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 UJ	<50 UJ	<50 U	<50 UJ	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	<10,000 U	35,600	76,800 D	46,200 D	18,400	10,700
Sulfide	18496-25-8	**50**	ug/l	**1,600**	**1,600**	<1,000 U	**1,600**	**1,300**	<1,000 U
Total Dissolved Solids	TDS	NS	ug/l	986,000	991,000	841,000	1,070,000	1,290,000	1,690,000
Total Organic Carbon	TOC	NS	ug/l	6,800	1,300	14,600	21,100	6,520	5,770
Fixed Gases									
Ethane	74-84-0	NS	ug/l	<50 U	<10 U	<10,000 U	<50 U	<100 U	<10,000 U
Ethene	74-85-1	NS	ug/l	<50 U	<10 U	<10,000 U	<50 U	<100 U	<10,000 U
Methane	74-82-8	NS	ug/l	15,000 D	2,000	84,000 D	11,000 D	7,000 D	140,000 D

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-43	LMW-43	LMW-43	LMW-44	LMW-44	LMW-44
			Sample Name	LMW-43_062322	LMW-43_20221107	LMW-43_20230130	LMW-44_062322	LMW-44_20221107	LMW-44_20230130
			Sample Date	06/23/2022	11/07/2022	01/30/2023	06/23/2022	11/07/2022	01/30/2023
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	0.98	<2 U	0.5	1.2	<1 U	4.2
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	0.94	<2 U	1.8	0.95	2 JD	1.6
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 UJ	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 UJ	<400 U	<40 U	<40 U	<200 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Acetone	67-64-1	**50**	ug/l	3.1	<10 U	3.8	6.9	<5 U	1.1 J
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<2 U	<0.5 U	<0.2 UJ	<1 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	0.2 J	<2 U	<0.5 U	<0.2 U	**13 D**	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 UJ	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	0.36 J	<2 U	<0.5 U	0.94	2 JD	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	0.59	<2 U	<0.5 U	0.44 J	<1 U	<0.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	<0.2 U	5 D	<0.5 U	0.29 J	1.4 JD	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<0.5 U	<5 U	<1 U	<0.5 U	<2.5 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<2 U	0.32 J	<0.2 U	<1 U	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<2 U	0.25 J	<0.2 U	<1 U	<0.5 U
Methylcyclohexane	108-87-2	NS	ug/l	0.42 J	<2 U	<0.5 U	0.28 J	<1 U	<0.5 U
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	**43 J**	<2 U	<1 U	<5 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U	<2 UJ	<0.5 U	<0.2 U	<1 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	0.45 J	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 UJ	<5 U	<1 U	<0.5 U	<2.5 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<2 UJ	<0.5 U	<0.2 UJ	<1 UJ	0.3 J
Toluene	108-88-3	**5**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	0.73 J	<6 U	<1.5 U	<0.6 U	<3 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<2 U	<0.5 UJ	<0.2 U	<1 U	<0.5 UJ
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	<0.2 U	<2 U	<0.5 U	<0.2 U	<1 U	<0.5 U

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-43	LMW-43	LMW-43	LMW-44	LMW-44	LMW-44
			Sample Name	LMW-43_062322	LMW-43_20221107	LMW-43_20230130	LMW-44_062322	LMW-44_20221107	LMW-44_20230130
			Sample Date	06/23/2022	11/07/2022	01/30/2023	06/23/2022	11/07/2022	01/30/2023
			Unit	Result	Result	Result	Result	Result	Result
Metals - Dissolved									
Iron	7439-89-6	**300**	ug/l	**309**	**6,570**	**19,700**	<278 U	**24,400**	**24,400**
Manganese	7439-96-5	**300**	ug/l	**1,460**	**373**	**1,260**	**1,210**	**1,860**	**2,070**
Metals - Total									
Iron	7439-89-6	**300**	ug/l	**18,200**	**7,060**	**48,700**	**14,700**	**30,300**	**30,200**
Manganese	7439-96-5	**300**	ug/l	**1,590**	**395**	**1,550**	**1,260**	**2,000**	**2,020**
General Chemistry									
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	450,000	280,000	400,000	380,000	300,000	400,000
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**313,000 D**	**368,000 D**	231,000 D	**337,000 D**	**316,000 D**	**366,000 D**
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<50 UJ	<50 U
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<50 UJ	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	27,600	11,700 D	228,000 D	10,600	18,600 D	20,000
Sulfide	18496-25-8	**50**	ug/l	**1,600**	**2,600**	**2,100**	**1,300**	**1,400**	**1,800**
Total Dissolved Solids	TDS	NS	ug/l	922,000	643,000	1,320,000	823,000	1,020,000	1,250,000
Total Organic Carbon	TOC	NS	ug/l	10,600	8,910	16,800	7,600	6,210	6,210
Fixed Gases									
Ethane	74-84-0	NS	ug/l	<25 U	<50 U	<10 U	<50 U	<100 U	<1,000 U
Ethene	74-85-1	NS	ug/l	<25 U	<50 U	<10 U	<50 U	<100 U	<1,000 U
Methane	74-82-8	NS	ug/l	5,100 D	2,500 D	230	14,000 D	11,000 D	6,200 D

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-45	LMW-45	LMW-45	LMW-46	LMW-46	LMW-46
			Sample Name	LMW-45_062422	LMW-45_20221107	LMW-45_20230130	LMW-46_062322	LMW-46_20221107	LMW-46_20230130
			Sample Date	06/24/2022	11/07/2022	01/30/2023	06/23/2022	11/07/2022	01/30/2023
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	<0.2 U	0.3 J	1	<0.2 U	<0.2 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	<0.2 U	0.64	0.4 J	0.23 J	<0.2 U	<0.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<0.2 U	<0.5 UJ	<0.2 U	<0.2 U	<0.5 UJ
Acetone	67-64-1	**50**	ug/l	2.4	2.1	1.5 J	7.9	11	<2 U
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<0.2 U	<0.5 U	<0.2 UJ	<0.2 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.5 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	2	<0.5 U	<0.2 U	13	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	0.5	<0.5 UJ	<0.2 U	<0.2 U	<0.5 UJ
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	<1 U	<2 U	<1 U	<1 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 UJ	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<0.2 UJ	<0.5 UJ	<0.2 UJ	<0.2 UJ	<0.5 UJ
Toluene	108-88-3	**5**	ug/l	<0.2 U	0.22 J	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	<0.6 U	<0.6 U	<1.5 U	<0.6 U	<0.6 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<0.2 U	<0.5 UJ	<0.2 U	<0.2 U	<0.5 UJ
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-45	LMW-45	LMW-45	LMW-46	LMW-46	LMW-46
			Sample Name	LMW-45_062422	LMW-45_20221107	LMW-45_20230130	LMW-46_062322	LMW-46_20221107	LMW-46_20230130
			Sample Date	06/24/2022	11/07/2022	01/30/2023	06/23/2022	11/07/2022	01/30/2023
			Unit	Result	Result	Result	Result	Result	Result
Metals - Dissolved									
Iron	7439-89-6	**300**	ug/l	<278 U	**13,200**	**5,770**	<278 U	**28,900**	**21,800**
Manganese	7439-96-5	**300**	ug/l	**1,820**	**1,440**	**904**	**794**	**1,950**	**1,720**
Metals - Total									
Iron	7439-89-6	**300**	ug/l	**29,000**	**13,400**	**6,500**	**21,200**	**29,700**	**22,100**
Manganese	7439-96-5	**300**	ug/l	**1,890**	**1,470**	**976**	**848**	**1,980**	**1,680**
General Chemistry									
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	250,000	420,000	290,000	260,000	360,000	400,000
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**499,000 D**	**420,000 D**	**282,000 D**	231,000 D	**393,000 D**	**429,000 D**
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<50 UJ	<50 U
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<50 UJ	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	103,000 D	32,500 D	64,800 D	44,900 D	<1,000 U	2,540
Sulfide	18496-25-8	**50**	ug/l	<1,000 U	**2,100**	**1,800**	**1,600**	**2,200**	**1,600**
Total Dissolved Solids	TDS	NS	ug/l	1,550,000	1,270,000	989,000	745,000	1,350,000	1,300,000
Total Organic Carbon	TOC	NS	ug/l	3,700 J	7,420	7,240	6,300	19,200	5,820
Fixed Gases									
Ethane	74-84-0	NS	ug/l	<5 U	<50 U	<1,000 U	<5 U	<50 U	<1,000 U
Ethene	74-85-1	NS	ug/l	<5 U	<50 U	<1,000 U	<5 U	<50 U	<1,000 U
Methane	74-82-8	NS	ug/l	900	5,700 D	<1,000 U	1,000	4,500 D	27,000 D

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-47	LMW-47	LMW-47	LMW-48	LMW-48	LMW-48
			Sample Name	LMW-47_062422	LMW-47_20221107	LMW-47_20230130	LMW-48_062422	LMW-48_20221104	LMW-48_20230131
			Sample Date	06/24/2022	11/07/2022	01/30/2023	06/24/2022	11/04/2022	01/31/2023
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	2.1	1.7	3.3
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<0.2 U	<0.5 U	0.23 J	0.24 J	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	<0.2 U	0.2 J	0.2 J	**9.7**	**21**	**18**
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<0.2 U	<0.5 U	1.7	0.68	0.59
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	0.32 J	<0.2 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<0.2 U	<0.5 U	**0.79**	**1.6**	**1**
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	0.21 J	<0.2 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<0.2 U	<0.5 UJ	<0.2 U	<0.2 U	<0.5 UJ
Acetone	67-64-1	**50**	ug/l	<1 U	1 J	<2 U	2.3	1 J	<2 U
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<0.2 U	<0.5 U	<0.2 UJ	<0.2 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	<0.2 U	<0.2 U	<0.5 U	**2.4**	0.28 J	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 UJ	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	0.3 J	0.55	0.45 J	0.92	0.99	0.6
Chloroform	67-66-3	7	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	**23**	**6.7**	3
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	0.32 J	<0.2 U	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<0.5 U	<0.5 U	<1 U	0.57 J	<0.5 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	0.72	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<0.2 U	<0.5 UJ	0.34 J	<0.2 U	<0.5 UJ
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	<1 U	<2 U	<1 U	<1 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 UJ	<0.2 U	<0.5 U	<0.2 UJ	<0.2 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	0.72	<0.2 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<0.5 U	<1 U	1	<0.5 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.2 UJ	<0.2 UJ	<0.5 UJ	<0.2 UJ	<0.2 UJ	<0.5 UJ
Toluene	108-88-3	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	0.61	<0.2 U	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	<0.6 U	<0.6 U	<1.5 U	1.3 J	<0.6 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	0.21 J	<0.2 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<0.2 U	<0.5 UJ	<0.2 U	<0.2 U	<0.5 UJ
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	1.3	0.43 J	0.25 J
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	<0.2 U	<0.2 U	<0.5 U	**29**	**15**	**14**

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-47	LMW-47	LMW-47	LMW-48	LMW-48	LMW-48
			Sample Name	LMW-47_062422	LMW-47_20221107	LMW-47_20230130	LMW-48_062422	LMW-48_20221104	LMW-48_20230131
			Sample Date	06/24/2022	11/07/2022	01/30/2023	06/24/2022	11/04/2022	01/31/2023
			Unit	Result	Result	Result	Result	Result	Result
Metals - Dissolved									
Iron	7439-89-6	**300**	ug/l	**8,970**	**22,800**	**28,400**	<278 U	**10,200**	**2,940**
Manganese	7439-96-5	**300**	ug/l	**1,200**	**1,330**	**1,290**	**362**	**616**	177
Metals - Total									
Iron	7439-89-6	**300**	ug/l	**19,500**	**28,200**	**29,400 J**	**3,760**	**10,300**	**2,960**
Manganese	7439-96-5	**300**	ug/l	**1,440**	**1,430**	**1,250 J**	**365**	**596**	176
General Chemistry									
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	250,000	540,000	410,000	210,000	350,000	200,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	113,000 D	**539,000 D**	**374,000 D**	**398,000 D**	**425,000 D**	130,000 D
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<25,000 UJ	71.5
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<25,000 UJ	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	<10,000 U	<1,000 U	<1,000 U	192,000 D	153,000 D	109,000 D
Sulfide	18496-25-8	**50**	ug/l	**1,400**	**1,300**	**2,400**	**1,600**	**1,400**	**2,900**
Total Dissolved Solids	TDS	NS	ug/l	581,000	986,000	1,090,000	1,160,000	1,300,000	704,000 J
Total Organic Carbon	TOC	NS	ug/l	3,300 J	5,970	5,160	8,200 J	14,700	11,400
Fixed Gases									
Ethane	74-84-0	NS	ug/l	<5 U	<50 U	<10 U	<5 U	<10 U	<10 U
Ethene	74-85-1	NS	ug/l	<5 U	<50 U	<10 U	<5 U	<10 U	<10 U
Methane	74-82-8	NS	ug/l	750	8,400 D	36	320	720	960

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-49	LMW-49	LMW-49	LMW-50	LMW-50	LMW-50
			Sample Name	LMW-49_062422	LMW-49_20221104	LMW-49_20230131	LMW-50_062422	LMW-50_20221104	LMW-50_20230201
			Sample Date	06/24/2022	11/04/2022	01/31/2023	06/24/2022	11/04/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	**5.3**	1.5	1.5	1.8	<0.2 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	**9.8**	**6.1**	2.1	1.2	0.77	<0.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	0.71	0.7	0.29 J	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	0.25 J	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Acetone	67-64-1	**50**	ug/l	1.8 J	1.8 J	5.4	1.1 J	<1 U	4.5
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<0.2 U	<0.5 U	<0.2 UJ	<0.2 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 UJ	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	0.21 J	0.3 J
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	0.77	1	0.68	<0.2 U	<0.2 U	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	0.67	<0.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<0.5 U	<0.5 U	<1 U	<0.5 U	<0.5 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<0.2 U	0.95	<0.2 U	1.5	1.1
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<0.2 U	0.37 J	<0.2 U	0.2 J	<0.5 U
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	<1 U	<2 U	<1 U	<1 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 UJ	<0.2 UJ	<0.5 U	<0.2 UJ	<0.2 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	2.1	<1 U	<0.5 U	<0.5 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	0.94 J	0.57 J	0.49 J	<0.2 UJ	0.21 J	<0.5 UJ
Toluene	108-88-3	**5**	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	<0.6 U	<0.6 U	<1.5 U	<0.6 U	<0.6 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	0.58	1.3	0.55	<0.2 U	0.27 J	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<0.2 U	<0.5 U	<0.2 U	<0.2 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	0.8	0.51	0.75	<0.2 U	<0.2 U	<0.5 U

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	3-Month	6-Month	Baseline	3-Month	6-Month
			Location	LMW-49	LMW-49	LMW-49	LMW-50	LMW-50	LMW-50
			Sample Name	LMW-49_062422	LMW-49_20221104	LMW-49_20230131	LMW-50_062422	LMW-50_20221104	LMW-50_20230201
			Sample Date	06/24/2022	11/04/2022	01/31/2023	06/24/2022	11/04/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result	Result
Metals - Dissolved									
Iron	7439-89-6	**300**	ug/l	<278 U	**5,320**	**9,210**	<278 U	**329**	**4,010**
Manganese	7439-96-5	**300**	ug/l	**689**	**1,010**	162	**749**	77.3	**327**
Metals - Total									
Iron	7439-89-6	**300**	ug/l	**7,750**	**42,300**	**8,640**	**5,440**	**5,290**	**5,340**
Manganese	7439-96-5	**300**	ug/l	**742**	**1,030**	154	**767**	154	**331**
General Chemistry									
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	150,000	340,000	150,000 J	110,000	230,000	290,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**330,000 D**	**291,000 D**	95,000 D	**600,000 D**	**259,000 J**	23,900
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	<50 U	60.5 J	223	<50 U	<25,000 UJ	<50 U
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 UJ	<50 U	<50 U	<25,000 UJ	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	188,000 D	**302,000 D**	93,400 D	203,000 D	117,000 D	<100,000 U
Sulfide	18496-25-8	**50**	ug/l	**1,300**	<1,000 U	**1,600**	**1,600**	**2,200**	**2,600**
Total Dissolved Solids	TDS	NS	ug/l	1,050,000	1,230,000	634,000 J	2,360,000	779,000	507,000
Total Organic Carbon	TOC	NS	ug/l	6,100 J	23,500	12,700	3,100 J	27,600 J	8,480
Fixed Gases									
Ethane	74-84-0	NS	ug/l	<5 U	<100 U	<1,000 U	<5 U	<10 U	<10 U
Ethene	74-85-1	NS	ug/l	<5 U	<100 U	<1,000 U	<5 U	<10 U	<10 U
Methane	74-82-8	NS	ug/l	570	6,400 D	28,000 D	300	650	130

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	Baseline	3-Month	3-Month	6-Month
			Location	LMW-51	LMW-51	LMW-51	LMW-51	LMW-51
			Sample Name	LMW-51_062422	DUP_062422	LMW-51_20221107	DUP_20221107	LMW-51_20230201
			Sample Date	06/24/2022	06/24/2022	11/07/2022	11/07/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	**5**	ug/l	0.23 J	0.22 J	<0.2 U	<0.2 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,1-Dichloroethane	75-34-3	**5**	ug/l	0.32 J	0.31 J	<0.2 U	<0.2 U	<0.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloroethane	107-06-2	**0.6**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<40 U	<40 U	<40 U	<40 U	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Acetone	67-64-1	**50**	ug/l	1.2 J	1.2 J	**72**	**72**	24
Acrolein	107-02-8	5	ug/l	<0.2 UJ	<0.2 UJ	<0.2 U	<0.2 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Benzene	71-43-2	**1**	ug/l	<0.2 U	<0.2 U	0.21 J	0.21 J	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Bromomethane	74-83-9	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U	<0.2 U	2.1	2.2	0.99
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Chloromethane	74-87-3	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Ethylbenzene	100-41-4	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Isopropylbenzene (Cumene)	98-82-8	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
M,P-Xylene	179601-23-1	**5**	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U	<0.2 U	9	9.2	3.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U	<0.2 U	1.2	1.2	0.59
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Methylene Chloride	75-09-2	**5**	ug/l	<1 U	<1 U	<1 U	<1 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 UJ	<0.2 UJ	<0.2 U	<0.2 U	<0.5 U
n-Propylbenzene	103-65-1	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U	<0.2 U	0.23 J	0.21 J	0.52
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Styrene	100-42-5	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<1 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Tetrachloroethene (PCE)	127-18-4	5	ug/l	0.39 J	0.36 J	<0.2 UJ	<0.2 UJ	<0.5 UJ
Toluene	108-88-3	**5**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Total Xylenes	1330-20-7	**5**	ug/l	<0.6 U	<0.6 U	<0.6 U	<0.6 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	0.27 J	0.24 J	<0.2 U	<0.2 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U
Vinyl Chloride	75-01-4	**2**	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.5 U

Table 2
Remedial Progress Report
Baseline and Performance Groundwater Analytical Results

23-30 Borden Avenue
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Analyte	CAS Number	NYSDEC SGVs	Sampling Event	Baseline	Baseline	3-Month	3-Month	6-Month
			Location	LMW-51	LMW-51	LMW-51	LMW-51	LMW-51
			Sample Name	LMW-51_062422	DUP_062422	LMW-51_20221107	DUP_20221107	LMW-51_20230201
			Sample Date	06/24/2022	06/24/2022	11/07/2022	11/07/2022	02/01/2023
			Unit	Result	Result	Result	Result	Result
Metals - Dissolved								
Iron	7439-89-6	**300**	ug/l	<278 U	<278 U	<278 UJ	**761 J**	**736**
Manganese	7439-96-5	**300**	ug/l	**1,440**	**1,440**	9.7 J	15.4 J	89.6
Metals - Total								
Iron	7439-89-6	**300**	ug/l	295	297	**465**	**471**	**1,490**
Manganese	7439-96-5	**300**	ug/l	**1,410**	**1,410**	11.9	12.2	90.6
General Chemistry								
Alkalinity, Total (as CaCO3)	471-34-1	NS	ug/l	120,000	120,000	450,000	450,000	290,000 J
Chloride (As Cl)	16887-00-6	**250,000**	ug/l	**1,020,000 J**	**2,060,000 J**	**315,000 D**	**310,000 D**	79,200 D
Nitrogen, Nitrate (As N)	14797-55-8	10000	ug/l	112	112	<50 UJ	<50 UJ	58.3
Nitrogen, Nitrite	14797-65-0	1000	ug/l	<50 U	<50 U	<50 UJ	62.6 J	<50 U
pH	PH	**6.5-8.5**	pH UNITS	NA	NA	NA	NA	NA
Sulfate (As SO4)	14808-79-8	**250,000**	ug/l	177,000 D	188,000 D	182,000 D	182,000 D	48,800 D
Sulfide	18496-25-8	**50**	ug/l	**1,600**	**1,600**	**4,000**	**4,300**	**2,100**
Total Dissolved Solids	TDS	NS	ug/l	2,260,000	2,100,000	1,130,000	1,220,000	594,000
Total Organic Carbon	TOC	NS	ug/l	3,100 J	3,200 J	1,450 J	93,000 J	36,100
Fixed Gases								
Ethane	74-84-0	NS	ug/l	<5 U	<5 U	<50 U	<50 U	<10 U
Ethene	74-85-1	NS	ug/l	<5 U	<5 U	<50 U	<50 U	<10 U
Methane	74-82-8	NS	ug/l	160	140	540 J	260 J	110

Notes:
CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:
D - The concentration reported is a result of a diluted sample.

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds NYSDEC SGVs

Table 3
Remedial Progress Report
Additional Injection Reagent Demand and Injection Volume Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Injection Wells		One Injection Point	One Treatment Area	All Treatment Areas
Treatment Interval	feet bgs		8-13	
Treatment Zone Thickness	feet		5	
Injection ROI	feet		10	
Number of Injection Points	points	1	2	6
Porosity	fraction		0.3	
Treatment Pore Volume Under the Injection ROI	gallons	3,600	7,200	21,600
Maximum Pore Volume Targeted for Injections	%		10%	
Injection Solution Volume	gallons	360	720	2,160
Reagent Demand				
ZVI Target Levels in Pore Volume	g/L		4.0	
ZVI Demand	pounds	120	240	719
ZVI in EVO+ZVI Emulsion (SRS®-Z)	%		20%	
EVO in EVO+ZVI Emulsion (SRS®-Z)	%		80%	
EVO Demand	pounds	479	958	2,874
EVO Loading in Pore Volume	g/L		16	
SRS®-Z Demand	gallons	62	123	370
	pounds	599	1,198	3,593
TSI-Ferrous Sulfide Activator Dosage	g/L		0.4	
TSI-Ferrous Sulfide Activator Demand in Pore Volume	pounds	12.0	24	72
	gallons	1.2	2	7
TSI-DC® Target Levels	cells/Liter		9.E+06	
TSI-DC® Demand	liters	1.2	2	7
DAP Target Levels in Pore Volume	mg/L		250	
DAP Total Demand	pounds	7	15	45
DAP supplied by EVO	pounds	0.2	0.5	1
Additional DAP Demand	pounds	7	14	43
Yeast Extract Target Levels in Pore Volume	mg/L		250	
Yeast Extract Total Demand	pounds	7	15	45
Yeast Extract Supplied by EVO	pounds	1	3	9
Additional Yeast Extract Demand	pounds	6	12	36
Target level of Sodium Ascorbate in Injection Mix	lb/1000 gallons		8	
Sodium Ascorbate Demand	pounds	3	6	17

Notes:
DAP - diammonium phosphate
EVO - emulsified vegetable oil
g/L - grams per liter
mg/L - milligrams per liter
lb/1000 gallon - pounds per 1000 gallons
ROI - radius of influence
ZVI - Zero valent iron (44 micron)
TOC - total organic carbon

Groundwater pH at the three wells MW-36, MW-40 and MW-48, within the treatment area, was verified using in April 2023 using three well-volume purges followed by pH measurement using an in-well probe. Average groundwater pH at the three wells was 7.1, with a range between 6.9 and 7.3. Thus, the groundwater pH at the site is neutral conditions. The acidic pH levels observed during the post-injection monitoring (October/November 2022 and January/February 2023) are no longer representative of the site conditions. Therefore, buffer is not proposed as part of the injection mix.
EVO demand is calculated based on percentage of ZVI and EVO in the SRS®-Z emulsion and was adjusted to reach at least approximately 500 mg/L TOC levels in the design volume.

EVO demand meets or is in excess of EVO demand estimated using Environmental Security Technology Certification Program (ESTCP) substrate requirements for hydrogen demand calculation sheet.

SRS®-ZVI is a proprietary product, combined emulsified vegetable oil substrate and zero valent, formulated by Terra Systems, Inc. (Claymont, DE).
The density of SRS®-Z with 20% ZVI is 9.7 pounds/gallon.

SRS®-EVO is a proprietary emulsified vegetable oil substrate, formulated by Terra Systems, Inc. (Claymont, DE).

TSI-Ferrous Sulfide Activator (mix of ferrous sulfide and sodium sulfide solution) distributed by Terra Systems, Inc. will be added to the SRS®-Z to form the
The density of ferrous sulfide solution is 1.15 to 1.22 grams per milliliter or an average of 9.88 pounds per gallon.
TSI-DC® Bioaugmentation Culture® - *Dehalococcoides* containing microbial consortium for anaerobic bioremediation is cultured by APTIM Corporation, Approximately 0.3% yeast extract and 0.05% diammonium phosphate (DAP) are included in commercial SRS®-ZVI formulation. Additional dosage of yeast extract and diammonium phosphate will be added to facilitate microbial growth.

An injection mix of SRS®-Z, DAP, yeast extract and TSI-DC will be injected with minimal dilution followed by chase water. Up to 10% of pore volume would be injected.

Table 4
Remedial Progress Report
Additional Injection Monitoring Plan

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Location	Matrix	Parameters	Frequency	Monitoring Instruments/Method
Monitoring Locations[a]	Groundwater[b]	Groundwater elevation	Before injection event begins, 2 times daily during injection (before and after injections	Water level meter
		Field parameters		Horiba U-22 or YSI meter or Aqua TROLL 500
	Well Field	Surfacing/Leaks	Every 30 - 60 mins	Visual Inspection
Injection System including Skid, Distribution Manifold and Injection Well Heads	Injection Mix	Flow-rate, volume injected and injection pressure	Every 30 - 60 mins	Pressure gauges, and flow totalizers
Anaerobic Water Tank	Water	Dissolved oxygen, ORP, and pH	2 to 3 times daily during injection	Horiba U-22 or YSI meter or Aqua TROLL 500

Notes:
Field parameters - dissolved oxygen, oxidation-reduction potential (ORP), conductivity, pH, temperature, turbidity, total dissolved solids and salinity

[a] - Wells for injection monitoring will include LMW-36, LMW-37, LMW-40, LMW-48, and LMW-49.

[b] - Groundwater samples will be retrieved from each well with a dedicated bailer for a visual inspection. An in-situ water quality meter will be used for water quality measurements.

1. Monitoring wells within the vicinity of the injection activities will be sealed to prevent daylighting. They will be accessed for monitoring only after the pressures have dissipated.

Table 5
Remedial Progress Report
Additional Injection Performance Monitoring Plan

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Well ID	Screen Interval (feet bgs)	Analytical Parameters					
		VOCs	Iron and Manganese[a]	Sulfate, Sulfide, and Chloride	Dissolved Gases (Methane, Ethene, Ethane)	Alkalinity	DHC and EBAC
LMW-36	2-12	X	X	X	X	X	X
LMW-37	2-12	X	X	X	X	X	X
LMW-40	2-12	X	X	X	X	X	X
LMW-48	2-12	X	X	X	X	X	X

Notes:
feet bgs - feet below ground surface
VOCs - volatile organic compounds
TDS - total dissolved solids
DHC - Dehalococcoides
EBAC - total bacteria

[a] - Total and dissolved iron and manganese will be analyzed. Dissolved iron and manganese samples will be field filtered.
1. Groundwater samples will be collected using low flow techniques.
2. Duplicates, field blanks and trip blanks will be collected as part of the sampling events for quality assurance and quality control.
3. Water quality parameters include pH, temperature, dissolved oxygen, specific conductivity, oxidation reduction potential, total dissolved solids, and turbidity will be measured using a Horiba water quality meter, or equivalent.
4.Two rounds of post-injection (3 month and 6 month) groundwater monitoring samples will be collected from each well listed above.

Table 6
Remedial Progress Report
DNAPL Recovery Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Date	DNAPL Thickness (feet)									Total Gallons Removed (DNAPL + GW)	Approx. Gallons of Product Removal	% Oil Removed
	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	RW-9			
3/3/2022	0.2	ND	0.2	0.1	1.00	---	---	---	1.10	4,188	85.7	1% of 1,997 and 3% of 2,191
3/4/2022	ND	ND	ND	ND	1.00	---	---	---	0.30	---	---	---
3/7/2022	ND	ND	ND	ND	1.00	---	---	---	1.00	4,111	41.11	1% of 4,111
3/10/2022	ND	ND	ND	ND	0.60	---	---	---	0.75	3,815	96.76	2% of 1,769 and 3% of 2,046
3/14/2022	ND	ND	ND	ND	0.50	---	---	---	0.65	4,280	42.8	1% of 4,280
3/17/2022	ND	ND	ND	ND	0.56	---	---	---	0.69	4,280	42.8	1% of 4,280
3/21/2022	ND	ND	ND	ND	0.40	---	---	---	0.40	3,007	30.07	1% of 3,007
3/24/2022	ND	ND	ND	ND	0.02	---	---	---	0.45	2,068	20.68	1% of 2,068
3/28/2022	ND	ND	ND	ND	0.05	---	---	---	0.70	2,429	24.29	1% of 256, 1% of 2,173
3/31/2022	ND	ND	ND	ND	0.10	---	---	---	0.30	2,638	26.38	1% of 465, 1% of 2,173
4/4/2022	ND	ND	ND	ND	1.20	---	---	---	globs	3,246	32.46	1% of 1,102; 1% of 2,144
4/6/2022	ND	ND	ND	ND	0.80	---	---	---	0.80	---	---	---
4/7/2022	ND	ND	ND	ND	0.80	---	---	---	0.80	2,694	134.7	5% of 2,694
4/11/2022	ND	ND	ND	ND	0.65	---	---	---	0.78	2,213	22.13	1% of 2,213
4/14/2022	ND	ND	ND	ND	0.60	---	---	---	0.68	2,861	28.61	1% of 2,861
4/18/2022	ND	ND	ND	ND	0.80	---	---	---	0.10	2,191	21.91	1% of 2,191
4/21/2022	ND	ND	ND	ND	0.30	---	---	---	0.03	2,558	127.9	5% of 2,558
4/25/2022	ND	ND	ND	ND	0.01	---	---	---	0.05	2,990	29	1% of 2,990
4/28/2022	ND	ND	ND	ND	0.02	---	---	---	0.01	2,974	29.74	1% of 2,974
5/2/2022	ND	ND	ND	ND	0.02	---	---	---	0.02	2,821	28.21	1% of 2,821
5/9/2022	ND	ND	ND	ND	0.03	---	---	---	0.10	3,669	36.69	1% of 1,672; 1% of 1,997
5/16/2022	ND	ND	ND	ND	0.01	---	---	---	ND	3,013	30.13	1% of 809; 1% of 2,204
5/23/2022	ND	ND	ND	ND	0.02	---	---	---	0.25	4,523	361.92	1% of 2,261; 15% or 2,262
5/31/2022	ND	ND	ND	ND	0.10	---	---	---	ND	2,922	29.22	1% of 773; 1% of 2,149
6/6/2022	ND	ND	ND	ND	0.05	---	---	---	ND	3,586	35.86	1% of 1,395; 1% of 2,191
6/13/2022	ND	ND	ND	ND	0.70	---	---	---	0.30	2,893	28.93	1% of 702; 1% of 2,191
6/20/2022	ND	ND	ND	ND	1.20	---	---	---	ND	---	---	---
6/21/2022	ND	ND	ND	ND	1.20	---	---	---	0.30	2,709	27.09	1% of 1,501; 1% of 1208
6/27/2022	ND	ND	ND	ND	0.30	---	---	---	0.30	2,300	23	1% of 905; 1% of 1,395
7/5/2022	ND	ND	ND	ND	0.30	---	---	---	ND	2,891	247.65	15% of 1,341; 3% of 1,550
7/11/2022	ND	ND	ND	ND	0.05	---	---	---	ND	2,004	20.04	1% of 2,004
									Total	**85,874**	**1705.78**	

Table 7
Remedial Progress Report
DNAPL Gauging Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Date	DNAPL Thickness (feet)																	% Saturation of Sock			DNAPL Thickness (feet)								
	LMW-35	LMW-36	LMW-37	LMW-38	LMW-39	LMW-40	LMW-41	LMW-42	LMW-43	LMW-44	LMW-45	LMW-46	LMW-47	LMW-48	LMW-49	LMW-50	LMW-51	LMW-38	LMW-39	LMW-41	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	RW-9
3/3/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.2	ND	0.2	0.1	1.00	---	---	---	1.10
3/4/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	1.00	---	---	---	0.30
3/7/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	1.00	---	---	---	1.00
3/10/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.60	---	---	---	0.75
3/14/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.50	---	---	---	0.65
3/17/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.56	---	---	---	0.69
3/21/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.40	---	---	---	0.40
3/24/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.02	---	---	---	0.45
3/28/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.05	---	---	---	0.70
3/31/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.10	---	---	---	0.30
4/4/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	1.20	---	---	---	globs
4/6/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.80	---	---	---	0.80
4/7/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.80	---	---	---	0.80
4/11/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.65	---	---	---	0.78
4/14/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.60	---	---	---	0.68
4/18/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.80	---	---	---	0.10
4/21/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.30	---	---	---	0.03
4/25/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.01	---	---	---	0.05
4/28/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.02	---	---	---	0.01
5/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.02	---	---	---	0.02
5/9/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.03	---	---	---	0.10
5/16/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.01	---	---	---	ND
5/23/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.02	---	---	---	0.25
5/31/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.10	---	---	---	ND
6/6/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.05	---	---	---	ND
6/13/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.70	---	---	---	0.30
6/20/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	1.20	---	---	---	ND
6/21/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	1.20	---	---	---	0.30
6/27/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.30	---	---	---	0.30
7/5/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.30	---	---	---	ND
7/11/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	0.05	---	---	---	ND
9/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	ND	---	---	---	ND
10/6/2022	---	---	---	1.2	1.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10/31/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11/1/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	40	80	---	---	---	---	---	---	---	---	---	---
11/2/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	50	100	---	---	---	---	---	---	---	---	---	---
11/3/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	60	90	---	---	---	---	---	---	---	---	---	---
11/4/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	40	85	---	---	---	---	---	---	---	---	---	---
11/7/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	50	100	---	---	---	---	---	---	---	---	---	---
11/8/2022	---	---	---	0.1	0.1	---	---	---	---	---	---	---	---	---	---	---	---	40	90	---	---	---	---	---	---	---	---	---	---
11/9/2022	---	---	---	0.4	1.3	---	---	---	---	---	---	---	---	---	---	---	---	50	100	---	---	---	---	---	---	---	---	---	---
11/10/2022	---	---	---	0.45	1.38	---	---	---	---	---	---	---	---	---	---	---	---	60	90	---	---	---	---	---	---	---	---	---	---
11/11/2022	---	---	---	0.48	1.45	---	---	---	---	---	---	---	---	---	---	---	---	40	90	---	---	---	---	---	---	---	---	---	---
11/14/2022	---	---	---	0.5	1.6	---	---	---	---	---	---	---	---	---	---	---	---	60	100	---	---	---	---	---	---	---	---	---	---
11/15/2022	---	---	---	0.7	2.1	---	---	---	---	---	---	---	---	---	---	---	---	50	90	---	---	---	---	---	---	---	---	---	---
11/16/2022	---	---	---	0.4	1.3	---	---	---	---	---	---	---	---	---	---	---	---	70	100	---	---	---	---	---	---	---	---	---	---
11/17/2022	---	---	---	0.3	0.85	---	---	---	---	---	---	---	---	---	---	---	---	50	70	---	---	---	---	---	---	---	---	---	---
11/18/2022	---	---	---	0.3	0.7	---	---	---	---	---	---	---	---	---	---	---	---	50	60	---	---	---	---	---	---	---	---	---	---
11/21/2022	---	---	---	0.3	0.65	---	---	---	---	---	---	---	---	---	---	---	---	40	70	---	---	---	---	---	---	---	---	---	---
11/22/2022	---	---	---	0.2	0.5	---	---	---	---	---	---	---	---	---	---	---	---	30	60	---	---	---	---	---	---	---	---	---	---
11/23/2022	---	---	---	0.3	0.65	---	---	---	---	---	---	---	---	---	---	---	---	40	60	---	---	---	---	---	---	---	---	---	---
11/28/2022	---	---	---	0.3	0.7	---	---	---	---	---	---	---	---	---	---	---	---	30	60	---	---	---	---	---	---	---	---	---	---
11/29/2022	---	---	---	0.3	0.65	---	---	---	---	---	---	---	---	---	---	---	---	40	70	---	---	---	---	---	---	---	---	---	---
11/30/2022	---	---	---	0.3	0.55	---	---	---	---	---	---	---	---	---	---	---	---	40	70	---	---	---	---	---	---	---	---	---	---

Table 7
Remedial Progress Report
DNAPL Gauging Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Date	DNAPL Thickness (feet)																	% Saturation of Sock			DNAPL Thickness (feet)								
	LMW-35	LMW-36	LMW-37	LMW-38	LMW-39	LMW-40	LMW-41	LMW-42	LMW-43	LMW-44	LMW-45	LMW-46	LMW-47	LMW-48	LMW-49	LMW-50	LMW-51	LMW-38	LMW-39	LMW-41	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	RW-9
12/1/2022	---	---	---	0.3	0.6	---	---	---	---	---	---	---	---	---	---	---	---	30	70	---	---	---	---	---	---	---	---	---	---
12/2/2022	---	---	---	0.3	0.55	---	---	---	---	---	---	---	---	---	---	---	---	40	70	---	---	---	---	---	---	---	---	---	---
12/5/2022	---	---	---	0.2	0.45	---	---	---	---	---	---	---	---	---	---	---	---	20	70	---	---	---	---	---	---	---	---	---	---
12/6/2022	---	---	---	0.25	0.55	---	---	---	---	---	---	---	---	---	---	---	---	25	70	---	---	---	---	---	---	---	---	---	---
12/7/2022	---	---	---	0.25	0.45	---	---	---	---	---	---	---	---	---	---	---	---	25	60	---	---	---	---	---	---	---	---	---	---
12/8/2022	---	---	---	0.25	0.5	---	---	---	---	---	---	---	---	---	---	---	---	25	70	---	---	---	---	---	---	---	---	---	---
12/9/2022	---	---	---	0.25	0.5	---	---	---	---	---	---	---	---	---	---	---	---	25	70	---	---	---	---	---	---	---	---	---	---
12/12/2022	---	---	---	0.2	0.6	---	---	---	---	---	---	---	---	---	---	---	---	20	70	---	---	---	---	---	---	---	---	---	---
12/13/2022	---	---	---	0.2	0.5	---	---	---	---	---	---	---	---	---	---	---	---	20	60	---	---	---	---	---	---	---	---	---	---
12/14/2022	---	---	---	0.18	0.5	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/15/2022	---	---	---	0.15	0.55	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/16/2022	---	---	---	0.18	0.55	---	---	---	---	---	---	---	---	---	---	---	---	20	70	---	---	---	---	---	---	---	---	---	---
12/19/2022	---	---	---	0.15	0.5	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/20/2022	---	---	---	0.15	0.5	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/21/2022	---	---	---	0.15	0.5	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/22/2022	---	---	---	0.38	0.5	---	---	---	---	---	---	---	---	---	---	---	---	25	50	---	---	---	---	---	---	---	---	---	---
12/23/2022	---	---	---	0.1	0.35	---	---	---	---	---	---	---	---	---	---	---	---	10	30	---	---	---	---	---	---	---	---	---	---
12/27/2022	---	---	---	0.1	0.35	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/28/2022	---	---	---	0.2	0.45	---	---	---	---	---	---	---	---	---	---	---	---	20	50	---	---	---	---	---	---	---	---	---	---
12/29/2022	---	---	---	0.2	0.4	---	---	---	---	---	---	---	---	---	---	---	---	15	40	---	---	---	---	---	---	---	---	---	---
12/30/2022	---	---	---	0.2	0.3	---	---	---	---	---	---	---	---	---	---	---	---	20	35	---	---	---	---	---	---	---	---	---	---
1/3/2023	---	---	---	0.2	0.4	---	---	---	---	---	---	---	---	---	---	---	---	30	45	–	---	---	---	---	---	---	---	---	---
1/4/2023	---	---	---	0.2	0.3	---	---	---	---	---	---	---	---	---	---	---	---	20	30	–	---	---	---	---	---	---	---	---	---
1/5/2023	---	---	---	0.2	0.3	---	---	---	---	---	---	---	---	---	---	---	---	15	25	–	---	---	---	---	---	---	---	---	---
1/6/2023	---	---	---	0.15	0.35	---	---	---	---	---	---	---	---	---	---	---	---	20	25	–	---	---	---	---	---	---	---	---	---
1/9/2023	---	---	---	0.4	0.45	---	---	---	---	---	---	---	---	---	---	---	---	80	90	–	---	---	---	---	---	---	---	---	---
1/10/2023	---	---	---	0.4	0.45	---	---	---	---	---	---	---	---	---	---	---	---	80	90	–	---	---	---	---	---	---	---	---	---
1/11/2023	---	---	---	0.15	0.45	---	---	---	---	---	---	---	---	---	---	---	---	40	55	–	---	---	---	---	---	---	---	---	---
1/12/2023	---	---	---	0.1	0.4	---	---	---	---	---	---	---	---	---	---	---	---	40	55	–	---	---	---	---	---	---	---	---	---
1/13/2023	---	---	---	0.1	0.5	---	---	---	---	---	---	---	---	---	---	---	---	40	60	–	---	---	---	---	---	---	---	---	---
1/16/2023	---	---	---	0.1	0.3	---	---	---	---	---	---	---	---	---	---	---	---	30	40	–	---	---	---	---	---	---	---	---	---
1/17/2023	---	---	---	0.15	0.3	---	---	---	---	---	---	---	---	---	---	---	---	30	40	–	---	---	---	---	---	---	---	---	---
1/18/2023	---	---	---	0.1	0.25	---	---	---	---	---	---	---	---	---	---	---	---	25	35	–	---	---	---	---	---	---	---	---	---
1/19/2023	---	---	---	0.1	0.2	---	---	---	---	---	---	---	---	---	---	---	---	25	35	–	---	---	---	---	---	---	---	---	---
1/20/2023	---	---	---	0.1	0.2	---	---	---	---	---	---	---	---	---	---	---	---	25	30	–	---	---	---	---	---	---	---	---	---
1/23/2023	---	---	---	0.1	0.25	---	---	---	---	---	---	---	---	---	---	---	---	40	60	–	---	---	---	---	---	---	---	---	---
1/24/2023	---	---	---	0.17	0.35	---	---	---	---	---	---	---	---	---	---	---	---	20	50	–	---	---	---	---	---	---	---	---	---
1/25/2023	---	---	---	0.3	0.5	---	---	---	---	---	---	---	---	---	---	---	---	30	65	–	---	---	---	---	---	---	---	---	---
1/26/2023	---	---	---	0.3	0.5	---	---	---	---	---	---	---	---	---	---	---	---	30	65	–	---	---	---	---	---	---	---	---	---
1/27/2023	---	---	---	0.2	0.25	---	---	---	---	---	---	---	---	---	---	---	---	30	40	–	---	---	---	---	---	---	---	---	---
1/30/2023	---	---	---	0.33	0.5	---	---	---	---	---	---	---	---	---	---	---	---	50	60	–	---	---	---	---	---	---	---	---	---
1/31/2023	---	---	---	0.4	0.45	---	0.58	---	---	---	---	---	---	---	---	---	---	40	50	40	---	---	---	---	---	---	---	---	---
2/1/2023	---	---	---	0.15	0.5	---	1.5	---	---	---	---	---	---	---	---	---	---	30	60	100	ND	ND	ND	---	ND	ND	ND	---	ND
2/2/2023	---	---	---	0.2	0.3	---	1	---	---	---	---	---	---	---	---	---	---	60	70	100	---	---	---	---	---	---	---	---	---
2/3/2023	---	---	---	0.2	0.3	---	0.6	---	---	---	---	---	---	---	---	---	---	40	50	100	---	---	---	---	---	---	---	---	---
2/6/2023	---	---	---	0.35	0.5	---	0.8	---	---	---	---	---	---	---	---	---	---	40	50	100	---	---	---	---	---	---	---	---	---
2/7/2023	---	---	---	0.2	0.3	---	0.2	---	---	---	---	---	---	---	---	---	---	30	50	100	---	---	---	---	---	---	---	---	---
2/8/2023	---	---	---	0.1	0.2	---	0.2	---	---	---	---	---	---	---	---	---	---	40	50	90	---	---	---	ND	---	---	---	---	---
2/9/2023	---	---	---	0.2	0.25	---	0.2	---	---	---	---	---	---	---	---	---	---	35	50	90	---	---	---	---	---	---	---	---	---
2/10/2023	---	---	---	0.35	0.4	---	0.2	---	---	---	---	---	---	---	---	---	---	40	50	90	---	---	---	---	---	---	---	---	---
2/13/2023	---	---	---	0.5	0.4	---	0.4	---	---	---	---	---	---	---	---	---	---	40	40	90	---	---	---	---	---	---	---	---	---
2/14/2023	---	---	---	0.3	0.35	---	0.1	---	---	---	---	---	---	---	---	---	---	30	40	85	---	---	---	---	---	---	---	---	---
2/15/2023	---	---	---	0.25	0.3	---	0.2	---	---	---	---	---	---	---	---	---	---	40	40	80	---	---	---	---	---	---	---	---	---
2/16/2023	---	---	---	0.2	0.3	---	0.1	---	---	---	---	---	---	---	---	---	---	30	60	90	---	---	---	---	---	---	---	---	---

Table 7
Remedial Progress Report
DNAPL Gauging Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

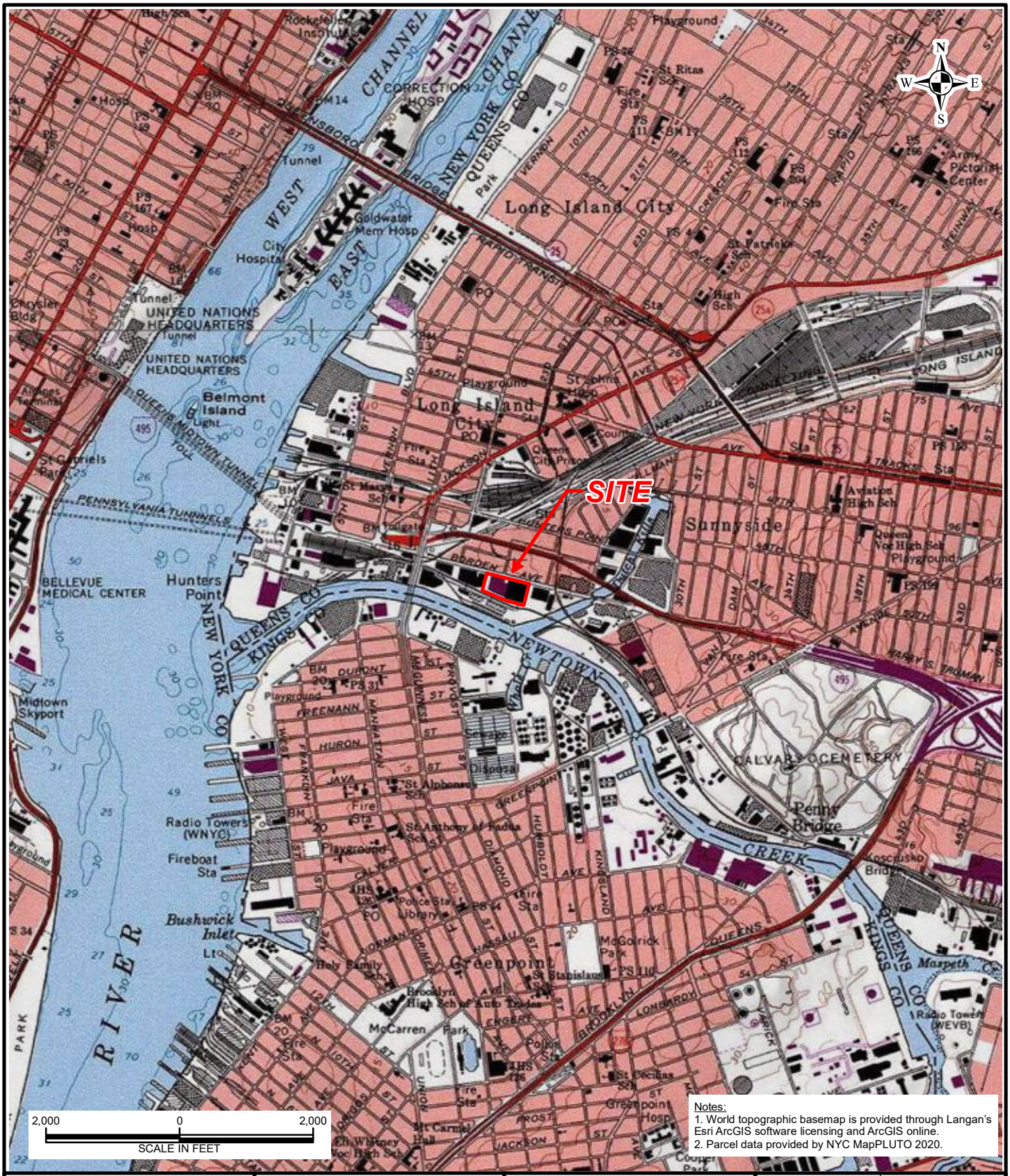
Date	DNAPL Thickness (feet)																	% Saturation of Sock			DNAPL Thickness (feet)								
	LMW-35	LMW-36	LMW-37	LMW-38	LMW-39	LMW-40	LMW-41	LMW-42	LMW-43	LMW-44	LMW-45	LMW-46	LMW-47	LMW-48	LMW-49	LMW-50	LMW-51	LMW-38	LMW-39	LMW-41	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	RW-9
2/17/2023	—	—	—	0.3	0.4	—	0.2	—	—	—	—	—	—	—	—	—	—	40	60	90	—	—	—	—	—	—	—	—	—
2/20/2023	—	—	—	0.4	0.5	—	0.3	—	—	—	—	—	—	—	—	—	—	40	50	75	—	—	—	—	—	—	—	—	—
2/21/2023	—	—	—	0.5	0.5	—	0.2	—	—	—	—	—	—	—	—	—	—	50	60	75	—	—	—	—	—	—	—	—	—
2/22/2023	—	—	—	0.4	0.45	—	0.1	—	—	—	—	—	—	—	—	—	—	50	60	80	—	—	—	—	—	—	—	—	—
2/23/2023	—	—	—	0.3	0.5	—	0.2	—	—	—	—	—	—	—	—	—	—	50	60	90	—	—	—	—	—	—	—	—	—
2/24/2023	—	—	—	0.3	0.35	—	0.1	—	—	—	—	—	—	—	—	—	—	40	50	75	—	—	—	—	—	—	—	—	—
2/27/2023	—	—	—	0.4	0.5	—	0.15	—	—	—	—	—	—	—	—	—	—	40	60	75	ND	ND	ND	ND	ND	ND	ND	—	ND
2/28/2023	—	—	—	0.35	0.6	—	0.25	—	—	—	—	—	—	—	—	—	—	40	60	75	—	—	—	—	—	—	—	—	—
3/1/2023	—	—	—	0.25	0.375	—	0.1	—	—	—	—	—	—	—	—	—	—	30	40	80	—	—	—	—	—	—	—	—	—
3/2/2023	—	—	—	0.4	0.45	—	0.2	—	—	—	—	—	—	—	—	—	—	40	50	75	ND	ND	ND	ND	ND	ND	ND	—	ND
3/3/2023	—	—	—	0.45	0.55	—	0.1	—	—	—	—	—	—	—	—	—	—	50	60	70	ND	ND	ND	ND	ND	ND	ND	—	ND
3/6/2023	—	—	—	0.475	0.6	—	0.2	—	—	—	—	—	—	—	—	—	—	50	60	75	ND	ND	ND	ND	ND	ND	ND	—	ND
3/7/2023	—	—	—	0.2	0.5	—	0.15	—	—	—	—	—	—	—	—	—	—	30	75	80	ND	ND	ND	ND	ND	ND	ND	—	ND
3/8/2023	—	—	—	0.2	0.35	—	0.275	—	—	—	—	—	—	—	—	—	—	30	60	75	ND	ND	ND	ND	ND	ND	ND	—	ND
3/9/2023	—	—	—	0.19	0.35	—	0.27	—	—	—	—	—	—	—	—	—	—	20	40	100	—	—	—	—	—	—	—	—	—
3/10/2023	—	—	—	0.13	0.4	—	1.1	—	—	—	—	—	—	—	—	—	—	35	50	95	ND	ND	ND	ND	ND	ND	—	—	—
3/13/2023	—	—	—	0.46	0.67	—	1.5	—	—	—	—	—	—	—	—	—	—	50	65	100	ND	ND	ND	ND	ND	ND	—	—	—
3/14/2023	—	—	—	0.15	0.31	—	1.5	—	—	—	—	—	—	—	—	—	—	40	55	100	ND	ND	ND	ND	ND	ND	—	—	—
3/15/2023	—	—	—	0.15	0.31	—	1.5	—	—	—	—	—	—	—	—	—	—	40	50	100	ND	ND	ND	ND	ND	ND	—	—	—
3/16/2023	—	—	—	0.17	0.35	—	1.55	—	—	—	—	—	—	—	—	—	—	40	55	100	ND	ND	ND	ND	ND	ND	—	—	—
3/17/2023	—	—	—	0.15	0.38	—	1.5	—	—	—	—	—	—	—	—	—	—	40	50	100	ND	ND	ND	ND	ND	ND	—	—	—
3/20/2023	—	—	—	0.23	0.46	—	1.5	—	—	—	—	—	—	—	—	—	—	40	55	100	ND	ND	ND	ND	ND	ND	—	—	—
3/21/2023	—	—	—	0.45	0.51	—	1.5	—	—	—	—	—	—	—	—	—	—	50	60	100	ND	ND	ND	ND	ND	ND	—	—	—
3/22/2023	—	—	—	0.38	0.55	—	1.25	—	—	—	—	—	—	—	—	—	—	40	55	90	ND	ND	ND	ND	ND	ND	—	—	—
3/23/2023	—	—	—	0.24	0.61	—	1.5	—	—	—	—	—	—	—	—	—	—	35	55	100	ND	ND	ND	ND	ND	ND	—	—	—
3/24/2023	—	—	—	0.22	0.54	—	1.42	—	—	—	—	—	—	—	—	—	—	40	50	95	ND	ND	ND	ND	ND	ND	—	—	—
3/27/2023	—	—	—	0.38	0.6	—	1.53	—	—	—	—	—	—	—	—	—	—	45	60	100	ND	ND	ND	ND	ND	ND	—	—	—
3/28/2023	—	—	—	0.22	0.4	—	1.5	—	—	—	—	—	—	—	—	—	—	40	60	100	ND	ND	ND	ND	ND	ND	—	—	—
3/29/2023	—	—	—	0.18	0.38	—	1.3	—	—	—	—	—	—	—	—	—	—	35	50	95	ND	ND	ND	ND	ND	ND	—	—	—
3/30/2023	—	—	—	0.2	0.41	—	1.35	—	—	—	—	—	—	—	—	—	—	35	45	95	ND	ND	ND	ND	ND	ND	—	—	—
3/31/2023	—	—	—	0.2	0.48	—	1.33	—	—	—	—	—	—	—	—	—	—	30	45	95	ND	ND	ND	ND	ND	ND	—	—	—
4/3/2023	—	—	—	0.2	0.3	—	1.5	—	—	—	—	—	—	—	—	—	—	30	35	100	ND	ND	ND	ND	ND	ND	—	—	—
4/4/2023	—	—	—	0.25	0.15	—	1.35	—	—	—	—	—	—	—	—	—	—	35	20	95	ND	ND	ND	ND	ND	ND	—	—	—
4/5/2023	—	—	—	0.15	0.3	—	0.2	—	—	—	—	—	—	—	—	—	—	15	40	30	ND	ND	ND	ND	ND	ND	—	—	—
4/6/2023	—	—	—	0.25	0.35	—	1	—	—	—	—	—	—	—	—	—	—	20	30	80	ND	ND	ND	ND	ND	ND	—	—	—
4/7/2023	—	—	—	0.15	0.3	—	0.8	—	—	—	—	—	—	—	—	—	—	15	30	80	ND	ND	ND	ND	ND	ND	—	—	—
4/10/2023	—	—	—	0.15	0.18	—	0.5	—	—	—	—	—	—	—	—	—	—	20	25	65	ND	ND	ND	ND	ND	ND	—	—	—
4/11/2023	—	—	—	0.15	0.18	—	0.5	—	—	—	—	—	—	—	—	—	—	20	25	65	ND	ND	ND	ND	ND	ND	—	—	—
4/12/2023	—	—	—	0.18	0.18	—	0.38	—	—	—	—	—	—	—	—	—	—	15	18	40	ND	ND	ND	ND	ND	ND	—	—	—
4/13/2023	—	—	—	—	0.1	—	0.35	—	—	—	—	—	—	—	—	—	—	—	0	70	ND	ND	ND	ND	ND	ND	—	—	—
4/14/2023	—	—	—	—	0.72	—	0.11	—	—	—	—	—	—	—	—	—	—	—	80	90	ND	ND	ND	ND	ND	ND	—	—	—
4/17/2023	—	—	—	—	0.52	—	1.5	—	—	—	—	—	—	—	—	—	—	—	66	100	ND	ND	ND	ND	ND	ND	—	—	—
4/18/2023	—	—	—	—	0.4	—	0.15	—	—	—	—	—	—	—	—	—	—	—	55	95	ND	ND	ND	ND	ND	ND	—	—	—
4/19/2023	—	—	—	—	0.3	—	0.18	—	—	—	—	—	—	—	—	—	—	—	50	90	ND	ND	ND	ND	ND	ND	—	—	—
4/20/2023	—	—	—	—	0.41	—	0.18	—	—	—	—	—	—	—	—	—	—	—	60	90	ND	ND	ND	ND	ND	ND	—	—	—
4/21/2023	—	—	—	—	0.38	—	0.25	—	—	—	—	—	—	—	—	—	—	—	50	95	ND	ND	ND	ND	ND	ND	—	—	—
4/24/2023	—	—	—	—	0.61	—	1.5	—	—	—	—	—	—	—	—	—	—	—	65	100	ND	ND	ND	ND	ND	ND	—	—	—
4/25/2023	—	—	—	—	0.25	—	0.92	—	—	—	—	—	—	—	—	—	—	—	40	90	ND	ND	ND	ND	ND	ND	—	—	—
4/26/2023	—	—	—	—	0.27	—	0.15	—	—	—	—	—	—	—	—	—	—	—	45	95	ND	ND	ND	ND	ND	ND	—	—	—
4/27/2023	—	—	—	—	0.43	—	1.2	—	—	—	—	—	—	—	—	—	—	—	50	100	ND	ND	ND	ND	ND	ND	—	—	—
4/28/2023	—	—	—	—	0.4	—	1.2	—	—	—	—	—	—	—	—	—	—	—	50	90	ND	ND	ND	ND	ND	ND	—	—	—
5/1/2023	—	—	—	—	0.43	—	1.2	—	—	—	—	—	—	—	—	—	—	—	50	100	ND	ND	ND	ND	ND	ND	—	—	—
5/2/2023	—	—	—	—	0.45	—	0.5	—	—	—	—	—	—	—	—	—	—	—	50	85	ND	ND	ND	ND	ND	ND	—	—	—
5/3/2023	—	—	—	—	0.38	—	0.65	—	—	—	—	—	—	—	—	—	—	—	50	80	ND	ND	ND	ND	ND	ND	—	—	—

Table 7
Remedial Progress Report
DNAPL Gauging Summary

23-30 Borden Avenue Development
Queens, New York
NYSDEC BCP Site No.: C241238
Langan Project No.: 100766601

Date	DNAPL Thickness (feet)																	% Saturation of Sock			DNAPL Thickness (feet)								
	LMW-35	LMW-36	LMW-37	LMW-38	LMW-39	LMW-40	LMW-41	LMW-42	LMW-43	LMW-44	LMW-45	LMW-46	LMW-47	LMW-48	LMW-49	LMW-50	LMW-51	LMW-38	LMW-39	LMW-41	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	RW-9
5/4/2023	---	---	---	---	0.45	---	1.5	---	---	---	---	---	---	---	---	---	---	---	55	100	ND	ND	ND	ND	ND	ND	---	---	---
5/5/2023	---	---	---	---	0.4	---	1.5	---	---	---	---	---	---	---	---	---	---	---	55	100	ND	ND	ND	ND	ND	ND	---	---	---
5/8/2023	---	---	---	---	0.5	---	1.5	---	---	---	---	---	---	---	---	---	---	---	60	100	ND	ND	ND	ND	ND	ND	ND	---	---
5/9/2023	---	---	---	---	0.5	---	1.5	---	---	---	---	---	---	---	---	---	---	---	60	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/10/2023	---	---	---	---	0.47	---	0.75	---	---	---	---	---	---	---	---	---	---	---	55	90	ND	ND	ND	ND	ND	ND	ND	ND	---
5/11/2023	---	---	---	---	0.45	---	1.4	---	---	---	---	---	---	---	---	---	---	---	55	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/12/2023	---	---	---	---	0.4	---	1.25	---	---	---	---	---	---	---	---	---	---	---	45	90	ND	ND	ND	ND	ND	ND	ND	ND	---
5/15/2023	---	---	---	---	0.5	---	0.65	---	---	---	---	---	---	---	---	---	---	---	45	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/16/2023	---	---	---	---	0.42	---	1.45	---	---	---	---	---	---	---	---	---	---	---	50	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/17/2023	---	---	---	0.22	0.4	---	1.5	---	---	---	---	---	---	---	---	---	---	40	50	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/18/2023	---	---	---	0.275	0.35	---	1.5	---	---	---	---	---	---	---	---	---	---	35	45	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/19/2023	---	---	---	0.18	0.35	---	1.5	---	---	---	---	---	---	---	---	---	---	25	40	100	ND	ND	ND	ND	ND	ND	ND	ND	---
5/22/2023	---	---	---	0.175	0.38	---	---	---	---	---	---	---	---	---	---	---	---	30	50	---	ND	ND	ND	ND	ND	ND	ND	ND	---
5/23/2023	---	---	---	0.15	0.42	---	---	---	---	---	---	---	---	---	---	---	---	30	50	---	ND	ND	ND	ND	ND	ND	ND	ND	---
5/24/2023	---	---	---	0.15	0.4	---	---	---	---	---	---	---	---	---	---	---	---	30	45	---	ND	ND	ND	ND	ND	ND	ND	ND	---
5/25/2023	---	---	---	0.19	0.43	---	---	---	---	---	---	---	---	---	---	---	---	30	50	---	ND	ND	ND	ND	ND	ND	ND	ND	---
5/26/2023	---	---	---	0.11	0.37	---	---	---	---	---	---	---	---	---	---	---	---	30	50	---	ND	ND	ND	ND	ND	ND	ND	ND	---
5/30/2023	---	---	---	0.22	0.4	---	---	---	---	---	---	---	---	---	---	---	---	30	40	---	ND	ND	ND	ND	ND	ND	ND	ND	---
5/31/2023	---	---	---	0.1	0.25	---	---	---	---	---	---	---	---	---	---	---	---	30	40	---	ND	ND	ND	ND	ND	---	ND	ND	---

FIGURES



LANGAN
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

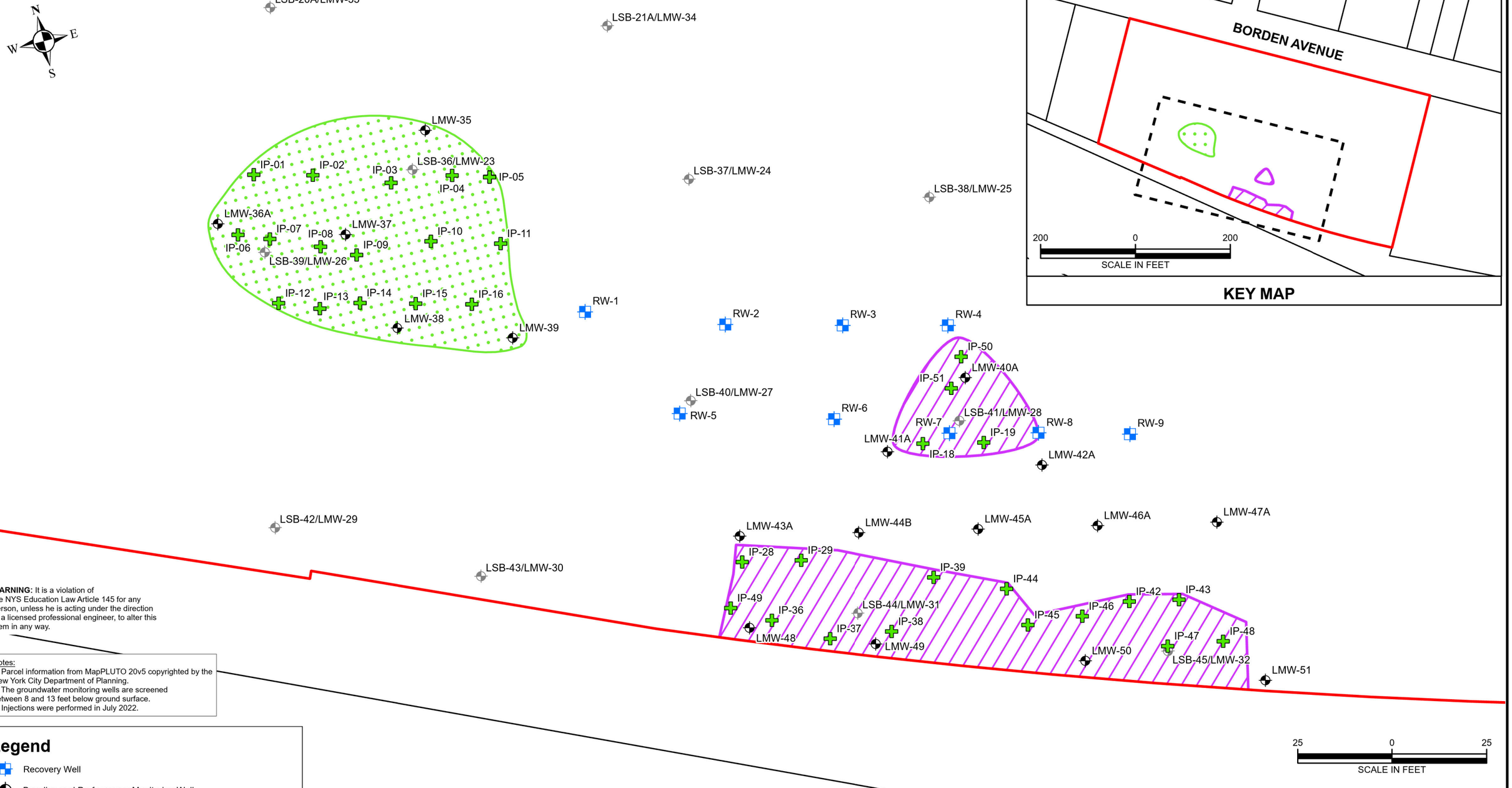
Project
23-30 BORDEN AVENUE DEVELOPMENT
NYSDEC BCP SITE No.: C241238
BLOCK No. 68, LOT No. 38
LONG ISLAND CITY
QUEENS COUNTY NEW YORK

Drawing Title
USGS SITE LOCATION MAP

Project No.	100766601
Date	10/20/2020
Scale	1"=2,000'
Drawn By	IHB
Last Revised	5/20/2021
Figure	1

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Path: \\Langan.com\data\PAR\data6\100766601\Project Data\ArcGIS\MXD\Environmental_Figures\2021-05 - BCP RAWP\Figure 1 - Site Location Map.mxd Date: 5/20/2021 User: ibaker Time: 4:28:56 PM



WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

Notes:
1. Parcel information from MapPLUTO 20v5 copyrighted by the New York City Department of Planning.
2. The groundwater monitoring wells are screened between 8 and 13 feet below ground surface.
3. Injections were performed in July 2022.

Legend

- Recovery Well
- Baseline and Performance Monitoring Well
- Monitoring Well
- Injection Point
- Site Boundary
- Tax Lot
- 1,1,1-Trichloroethane Treatment Area
- Vinyl Chloride Treatment Area

LANGAN
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
23-30 BORDEN AVENUE DEVELOPMENT
NYSDEC BCP SITE No.: C241238
BLOCK No. 68, LOT No. 38
LONG ISLAND CITY
QUEENS NEW YORK

Drawing Title
INJECTION AND MONITORING LOCATIONS

Project No.	100766601
Date	6/2/2023
Scale	1"=25'
Drawn By	PDT
Figure	2

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Path: \\langan.com\data\PAR\data6\100766601\Project Data\ArcGIS\APRX\100766601\100766601.aprx Date: 6/2/2023 User: pditillio Time: 11:59 AM

Sampling Event	Baseline	3-Month	3-Month	6-Month
Location	LMW-37	LMW-37	LMW-37	LMW-37
Sample Name	LMW-37_062322	LMW-37_20221027	DUP_20221027	LMW-37_20230131
Sample Date	06/23/2022	10/27/2022	10/27/2022	01/31/2023
Sample Depth	2.75-12.75	2.75-12.75	2.75-12.75	2.75-12.75
VOCs				
Benzene	**23**	**12 D**	**11 D**	**8.5 D**
Cis-1,2-Dichloroethene	**17**	3.5 JD	3.5 JD	2.7 JD
Ethylbenzene	**9.9**	**20 D**	**18 D**	**9.8 D**
M,P-Xylene	3.4	**9.1 JD**	**8.1 JD**	<10 U
o-Xylene (1,2-Dimethylbenzene)	2.6	**5.3 D**	4.9 JD	2.8 JD
Total Xylenes	**6**	**14 JD**	**13 JD**	**6.2 JD**
Vinyl Chloride	**200 D**	**8.2 D**	**8.6 D**	**5.4 D**

Sampling Event	Baseline	3-Month	3-Month	6-Month
Location	LMW-35	LMW-35	LMW-35	LMW-35
Sample Name	LMW-35_062322	LMW-35_20221027	LMW-35_20230131	
Sample Date	06/23/2022	10/27/2022	01/31/2023	
Sample Depth	2-12	2-12	2-12	
VOCs				
Benzene	**13**	**46 D**	**16 D**	
Ethylbenzene	**26**	<1 U	<2.5 U	
M,P-Xylene	**10**	<2.5 U	<5 U	
Methylene Chloride	<1 U	**19 J**	<10 U	
o-Xylene (1,2-Dimethylbenzene)	**5.2**	<1 U	<2.5 U	
Total Xylenes	**16**	<3 U	<7.5 U	

Sampling Event	Baseline	3-Month	6-Month	6-Month
Location	LMW-36	LMW-36	LMW-36	LMW-36
Sample Name	LMW-36_062322	LMW-36_20221027	LMW-36_20230131	DUP_20230131
Sample Date	06/23/2022	10/27/2022	01/31/2023	01/31/2023
Sample Depth	2.6-12.6	2.6-12.6	2.6-12.6	2.6-12.6
VOCs				
Benzene	**18**	**15 D**	**11**	**11**
Cis-1,2-Dichloroethene	**97 D**	**30 D**	**16**	**15**
Vinyl Chloride	**270 D**	**230 D**	**190 D**	**190 D**

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-38	LMW-38	LMW-38
Sample Name	LMW-38_062322	LMW-38_20221027	LMW-38_20230201
Sample Date	06/24/2022	10/27/2022	02/01/2023
Sample Depth	4.3-14.3	4.3-14.3	4.3-14.3
VOCs			
1,2,4-Trimethylbenzene	**22**	**36 D**	**56 D**
1,3,5-Trimethylbenzene (Mesitylene)	**9.9**	**17 D**	**30 D**
Benzene	**8.9**	**11 D**	<5 U
Ethylbenzene	**77**	**160 D**	**210 D**
Isopropylbenzene (Cumene)	**20**	**30 D**	**44 D**
M,P-Xylene	**26**	**47 D**	**70 D**
Methylene Chloride	<1 U	<10 U	**69 J**
n-Propylbenzene	**12**	**18 D**	**28 D**
o-Xylene (1,2-Dimethylbenzene)	**21**	**33 D**	**43 D**
Toluene	1.9	4.7 JD	**5.1 D**
Total Xylenes	**48**	**80 D**	**110 D**
Vinyl Chloride	**71 D**	**4.2 JD**	<5 U

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-39	LMW-39	LMW-39
Sample Name	LMW-39_062422	LMW-39_20221027	LMW-39_20230201
Sample Date	06/24/2022	10/27/2022	02/01/2023
Sample Depth	4.75-14.75	4.75-14.75	4.75-14.75
VOCs			
1,2,4-Trimethylbenzene	3.9	**34 D**	**25 D**
1,3,5-Trimethylbenzene (Mesitylene)	2.4	**16 D**	**11 D**
Benzene	**14**	**21 D**	<5 U
Cis-1,2-Dichloroethene	**5.5**	<2 U	<5 U
Ethylbenzene	**24**	**140 D**	**93 D**
Isopropylbenzene (Cumene)	**6.2**	**29 D**	**22 D**
M,P-Xylene	**9**	**38 D**	**25 D**
Methylene Chloride	<1 U	<10 U	**54 J**
n-Propylbenzene	2.6	**18 D**	**14 D**
o-Xylene (1,2-Dimethylbenzene)	**9.2**	**28 D**	**18 D**
Total Xylenes	**18**	**66 D**	**43 D**
Vinyl Chloride	**24 D**	<2 U	<5 U

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-40	LMW-40	LMW-40
Sample Name	LMW-40_062422	LMW-40_20221107	LMW-40_20230201
Sample Date	06/23/2022	11/07/2022	02/01/2023
Sample Depth	2-12	2-12	2-12
VOCs			
1,1-Dichloroethane	2.7	**6.3**	4.7
Benzene	**4.3**	**7.8**	**5.1**
Ethylbenzene	**6.2**	1.4	<0.5 U
Vinyl Chloride	**69**	**33**	**24**

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-41	LMW-41	LMW-41
Sample Name	LMW-41_062322	LMW-41_20221107	LMW-41_20230201
Sample Date	06/23/2022	11/07/2022	02/01/2023
Sample Depth	4.1-14.1	4.1-14.1	4.1-14.1
VOCs			
1,2,4-Trimethylbenzene	**8.1**	**130 D**	**200 D**
1,3,5-Trimethylbenzene (Mesitylene)	1.6	**62 D**	**98 D**
Benzene	**7.3**	**120 D**	**180 D**
Ethylbenzene	**30**	**2,300 D**	**3,800 D**
Isopropylbenzene (Cumene)	**16**	**120 D**	**180 D**
M,P-Xylene	**13**	**1,100 D**	**1,900 D**
Methylene Chloride	<1 U	**40 J**	**310 J**
n-Propylbenzene	**7.6**	**57 D**	**88 D**
o-Xylene (1,2-Dimethylbenzene)	**12**	**450 D**	**740 D**
Toluene	0.79	**30 D**	**52 D**
Total Xylenes	**25**	**1,500 D**	**2,600 D**

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-42	LMW-42	LMW-42
Sample Name	LMW-42_062322	LMW-42_20221107	LMW-42_20230201
Sample Date	06/23/2022	11/07/2022	02/01/2023
Sample Depth	4.8-14.8	4.8-14.8	4.8-14.8
VOCs			
1,2,4-Trimethylbenzene	**78**	**78 D**	**56 D**
1,3,5-Trimethylbenzene (Mesitylene)	**30**	**26 D**	**19 D**
Benzene	**18**	**23 D**	<5 U
Ethylbenzene	**450 D**	**680 D**	**390 D**
Isopropylbenzene (Cumene)	**69**	**68 D**	**53 D**
M,P-Xylene	**120**	**94 D**	**56 D**
Methylene Chloride	<1 U	**34 J**	**77 J**
n-Propylbenzene	**39**	**35 D**	**25 D**
o-Xylene (1,2-Dimethylbenzene)	**150 D**	**150 D**	**96 D**
Toluene	**5.6**	4.5 JD	2.5 JD
Total Xylenes	**270 D**	**240 D**	**150 D**

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-43	LMW-43	LMW-43
Sample Name	LMW-43_062322	LMW-43_20221107	LMW-43_20230130
Sample Date	06/23/2022	11/07/2022	01/30/2023
Sample Depth	2.1-12.1	2.1-12.1	2.1-12.1
VOCs			
Methylene Chloride	<1 U	**43 J**	<2 U

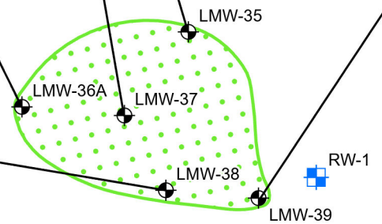
Sampling Event	Baseline	3-Month	6-Month
Location	LMW-44	LMW-44	LMW-44
Sample Name	LMW-44_062322	LMW-44_20221107	LMW-44_20230130
Sample Date	06/23/2022	11/07/2022	01/30/2023
Sample Depth	2.4-12.4	2.4-12.4	2.4-12.4
VOCs			
Benzene	<0.2 U	**13 D**	<0.5 U

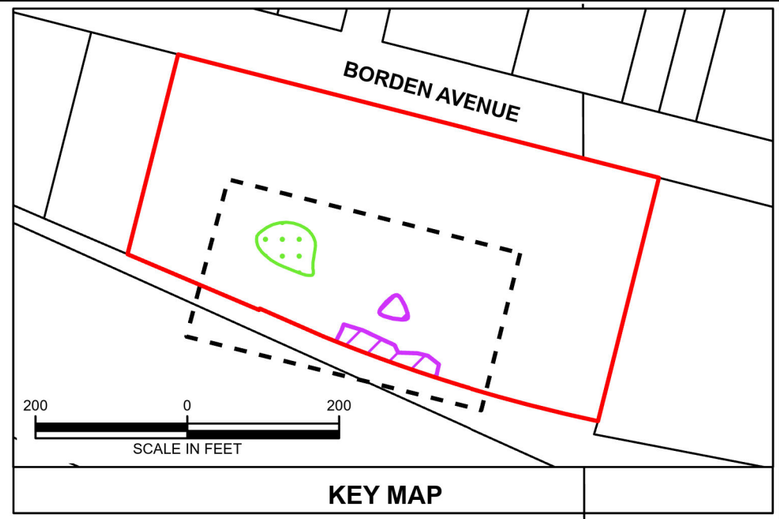
Sampling Event	Baseline	Baseline	3-Month	3-Month	6-Month
Location	LMW-51	LMW-51	LMW-51	LMW-51	LMW-51
Sample Name	LMW-51_062422	DUP_062422	LMW-51_20221107	DUP_20221107	LMW-51_20230201
Sample Date	06/24/2022	06/24/2022	11/07/2022	11/07/2022	02/01/2023
Sample Depth	2.8-12.8	2.8-12.8	2.8-12.8	2.8-12.8	2.8-12.8
VOCs					
Acetone	1.2 J	1.2 J	**72**	**72**	24

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-48	LMW-48	LMW-48
Sample Name	LMW-48_062422	LMW-48_20221104	LMW-48_20230131
Sample Date	06/24/2022	11/04/2022	01/31/2023
Sample Depth	4.8-14.8	4.8-14.8	4.8-14.8
VOCs			
1,1-Dichloroethane	**9.7**	**21**	**18**
1,2-Dichloroethane	**0.79**	**1.6**	**1**
Benzene	**2.4**	0.28 J	<0.5 U
Cis-1,2-Dichloroethene	**23**	**6.7**	3
Vinyl Chloride	**29**	**15**	**14**

Sampling Event	Baseline	3-Month	6-Month
Location	LMW-49	LMW-49	LMW-49
Sample Name	LMW-49_062422	LMW-49_20221104	LMW-49_20230131
Sample Date	06/24/2022	11/04/2022	01/31/2023
Sample Depth	3.3-13.3	3.3-13.3	3.3-13.3
VOCs			
1,1,1-Trichloroethane	**5.3**	1.5	1.5
1,1-Dichloroethane	**9.8**	**6.1**	2.1







WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

Notes:
1. Parcel information from MapPLUTO 20v5 copyrighted by the New York City Department of Planning.

Legend

- Recovery Well
- Baseline and Performance Monitoring Well
- Site Boundary
- Tax Lot
- 1,1,1-Trichloroethane Treatment Area
- Vinyl Chloride Treatment Area

Analyte	NYSDEC SGVs
VOCs	
1,1,1-Trichloroethane	5
1,1-Dichloroethane	5
1,2,4-Trimethylbenzene	5
1,2-Dichloroethane	0.6
1,3,5-Trimethylbenzene (Mesitylene)	5
Acetone	50
Benzene	1
Cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene (Cumene)	5
M,P-Xylene	5
Methylene Chloride	5
n-Propylbenzene	5
o-Xylene (1,2-Dimethylbenzene)	5
Toluene	5
Total Xylenes	5
Vinyl Chloride	2

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

50 0 50
SCALE IN FEET

LANGAN

300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

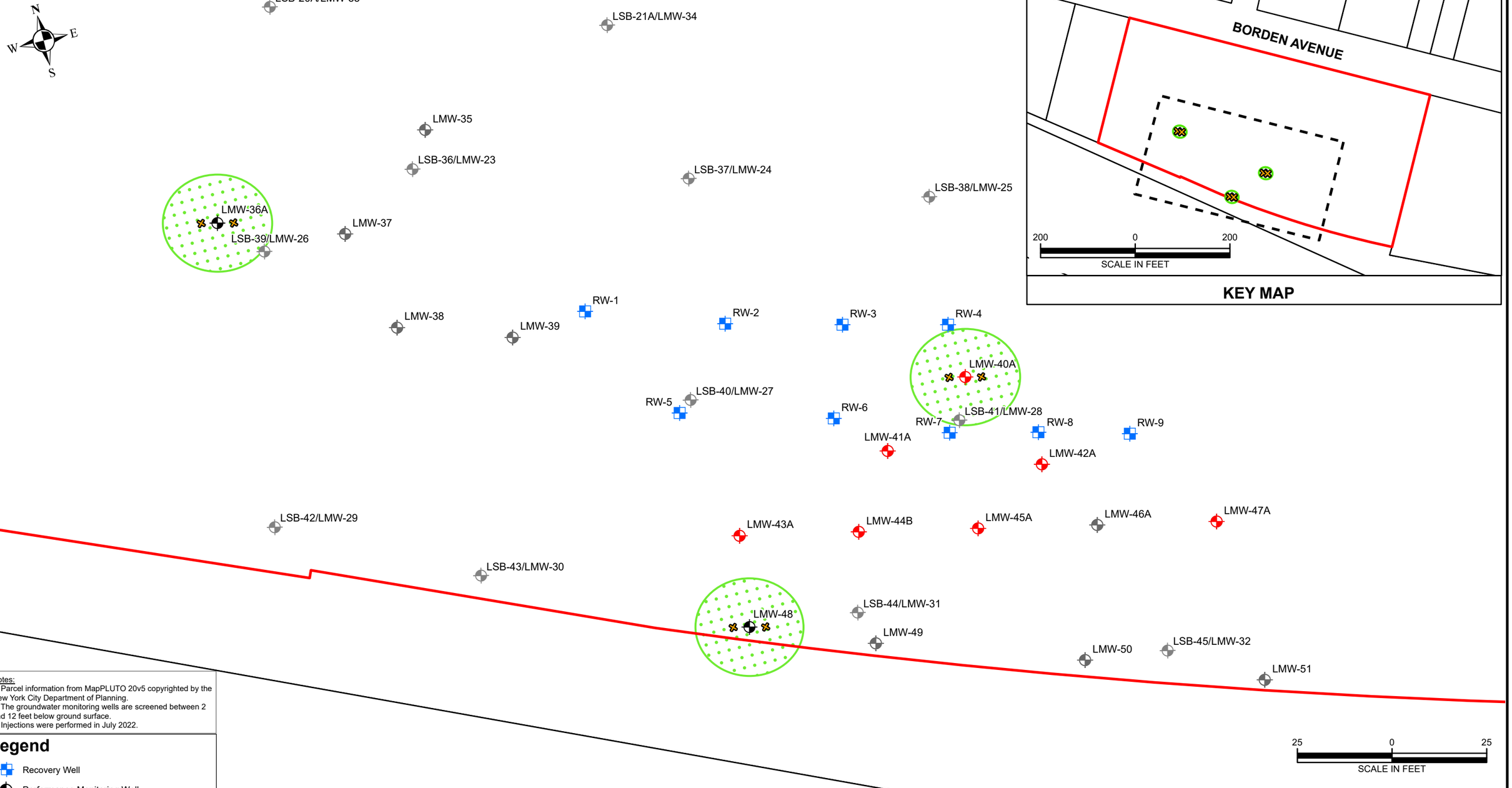
Project
23-30 BORDEN AVENUE DEVELOPMENT
NYSDEC BCP SITE No.: C241238
BLOCK No. 68, LOT No. 38
LONG ISLAND CITY
QUEENS NEW YORK

Drawing Title
BASELINE AND PERFORMANCE MONITORING VOC RESULTS

Project No. 100766601
Date 6/2/2023
Scale 1"=50'
Drawn By PDT
Figure 3

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BORDEN AVENUE

KEY MAP

Notes:
1. Parcel information from MapPLUTO 20v5 copyrighted by the New York City Department of Planning.
2. The groundwater monitoring wells are screened between 2 and 12 feet below ground surface.
3. Injections were performed in July 2022.

Legend

- Recovery Well
- Performance Monitoring Well
- Monitoring Well
- Damaged Monitoring Well
- Proposed Additional Injection Point
- Site Boundary
- Tax Lot
- Vinyl Chloride Treatment Area

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

LANGAN

300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
23-30 BORDEN AVENUE DEVELOPMENT
NYSDEC BCP SITE No.: C241238
BLOCK No. 68, LOT No. 38
LONG ISLAND CITY
QUEENS NEW YORK

Drawing Title
PROPOSED ADDITIONAL INJECTION LOCATIONS

Project No.	100766601
Date	7/6/2023
Scale	1"=25'
Drawn By	PDT
Figure	4

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LSB-20A/LMW-33

LSB-21A/LMW-34

LMW-35

LSB-36/LMW-23

LSB-37/LMW-24

LSB-38/LMW-25

LMW-36A

LMW-37

LSB-39/LMW-26

RW-1

LMW-38

LMW-39

RW-2

RW-3

RW-4

LMW-40A

LSB-40/LMW-27

RW-5

RW-6

LSB-41/LMW-28

RW-7

RW-8

RW-9

LMW-41A

LMW-42A

LSB-42/LMW-29

LMW-43A

LMW-44B

LMW-45A

LMW-46A

LMW-47A

LSB-43/LMW-30

LSB-44/LMW-31

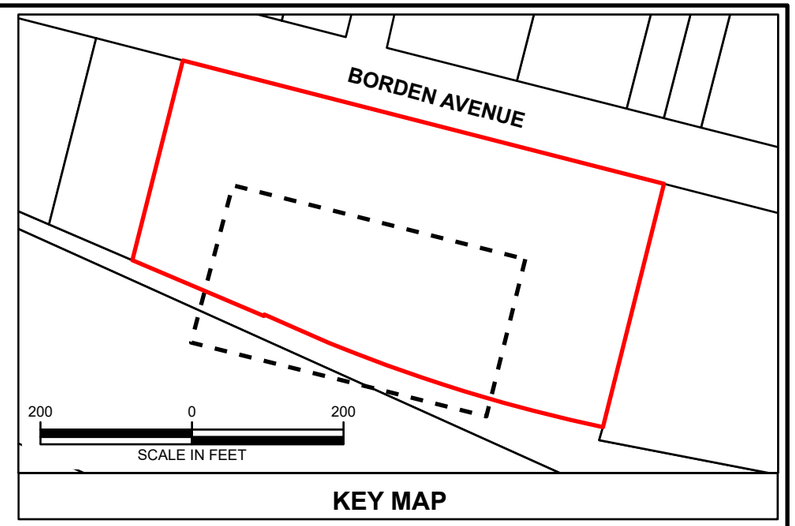
LMW-48

LMW-49

LMW-50

LSB-45/LMW-32

LMW-51



25 0 25
SCALE IN FEET

Notes:
1. Parcel information from MapPLUTO 20v5 copyrighted by the New York City Department of Planning.
2. The groundwater monitoring wells are screened between 2 and 12 feet below ground surface.
3. Recovery efforts include vactor truck removal activities and/or hand bailing activities.
4. Recovery efforts targeted at wells where NAPL was most recently obseved. Should NAPL be detected in any monitoring locations, the NAPL will be recovered as identified in Note 3.

Legend

- Recovery Well
- Performance Monitoring Well
- Damaged Monitoring Well
- Monitoring Well
- NAPL Monitoring Well
- NAPL Recovery and Monitoring Location
- Tax Lot
- Site Boundary

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

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300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com

Langan Engineering & Environmental Services, Inc.
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Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
23-30 BORDEN AVENUE DEVELOPMENT
NYSDEC BCP SITE No.: C241238
BLOCK No. 68, LOT No. 38
LONG ISLAND CITY
QUEENS NEW YORK

Drawing Title
PROPOSED NAPL RECOVERY AND MONITORING LOCATIONS

Project No.	100766601
Date	7/6/2023
Scale	1"=25'
Drawn By	PDT
Figure	5

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APPENDIX A

Boring Logs

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Log of Boring **LMW-35** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 15 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 6.5, Completion ▼ 6, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4		0	M-1A	Macrocore	36		0.0	Started Drilling at 6/15/2022 9:10 AM. M-1 at 0ft
	+6.9	Tan gravelly SAND, RCA sub-base (dry)						0.0	
		Gray gravelly coarse SAND, trace brick, trace concrete (dry)[FILL]	1					0.0	
								0.0	
			2					0.0	
								0.0	
			3					0.0	
								0.0	
			4	M-1B				0.0	
								0.0	
	+2.4		5					0.0	M-2 at 5ft
		Dark gray coarse SAND, some gravel, trace silt (wet)						0.0	
		▼ ▽	6					0.0	
								0.0	
			7	M-2A	Macrocore	42		0.0	
	-0.1							1.5	
		Dark gray fine GRAVEL, some silt (wet)	8	M-2B				0.5	Stained fine gravel, some odors at 7.5 feet bgs.
	-1.1							0.0	
		Gray coarse SAND, some coarse gravel (moist)	9					0.0	
				M-2C				0.0	
	-2.6		10					1.5	
		Gray coarse SAND, some coarse gravel (moist)						0.0	M-3 at 10ft
								0.1	
			11					0.0	
				M-3A				0.0	
	-4.6		12					0.0	
		Gray CLAY, some organics (moist)							Well installed to 12 feet bgs with screen installed from 2 to 12 feet bgs.
			13		Macrocore	30			
			14	M-3B					
	-7.6		15						Bottom of boring at 6/15/2022 9:41 AM. Bottom of boring backfilled with non-impacted drilling cuttings to ~12 feet bgs.
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-36** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 6, Completion ▼ 6.5, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks
	+7.4	Dark gray gravelly coarse SAND, trace brick, trace silt (dry)[FILL]	0	M-1	Macrocore	36		0.0	Started Drilling at 6/15/2022 10:00 AM. M-1 at 0ft
	+2.4	Dark gray gravelly coarse SAND, trace brick, trace silt (dry)[FILL]	5	M-2	Macrocore	38		0.0	M-2 at 5ft
	-2.6	Dark gray gravelly coarse SAND, trace brick, trace silt (wet)[FILL]	10	M-3A / M-3B	Macrocore	24		0.0	M-3 at 10ft
	-4.1	Gray CLAY, trace organics (moist)							
	-4.6		12					0.0	Bottom of boring at 6/15/2022 11:11 AM. Well installed to 12.6 feet bgs with screen from 2.6 to 12.6 feet bgs.

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Log of Boring **LMW-37** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 6, Completion ▼ 6.4, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks
	+7.4		0					0.0	Started Drilling at 6/15/2022 9:42 AM. M-1 at 0ft
	+6.9	Tan gravelly coarse SAND (dry)		M-1A				0.0	
		Brown GRAVEL, some brick, some f-c sand (dry)[FILL]	1					0.0	
			2					0.0	
			3	M-1B	Macrocore	24		0.0	
								0.0	
	+3.4	Light gray GRAVEL, some fine sand [CONCRETE]	4					0.0	
	+2.4			M-1C				0.0	
		Dark gray coarse SAND, some fine gravel, trace silt (wet)[FILL]	5					0.0	M-2 at 5ft
			6 ▽▼					0.0	
			7					0.0	
			8	M-2	Macrocore	36		1.5	
								0.5	
			9					0.0	
								0.0	
	-2.6		10					4.5	
		Dark gray coarse SAND, some fine gravel, trace silt (wet)[FILL]						1.5	M-3 at 10ft
	-3.6		11	M-3A				5.5	
		Dark gray CLAY, trace organics (moist)			Macrocore	24		140.5	Odors and staining observed from 10.5 to 11.5 feet bgs.
	-4.6		12	M-3B				34.1	
								0.0	Bottom of boring at 6/15/2022 10:16 AM. Well installed to 12.75 feet bgs with screen from 2.75 to 12.75 feet bgs.
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-38** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 14 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 9.5, Completion ▼ 8, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Gray coarse GRAVEL [CONCRETE]	0	M-1	Macrocore	24		0.0	Started Drilling at 6/15/2022 8:20 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
								0.0	
								0.0	
								0.0	
								0.0	
	+2.4	Grayish brown fine-coarse SAND, trace brick, trace concrete, trace silt (moist)[FILL]	5					0.0	M-2 at 5ft
			6					0.0	
								0.0	
			7					0.0	
				M-2A	Macrocore	48		0.0	
			8					1.5	
								0.5	
	-1.1	Dark tan GRAVEL [WOOD]						0.0	
			9					0.0	
				M-2B				0.0	
	-2.6	Dark gray medium SAND, trace silt (wet)	10					0.0	M-3 at 10ft
								0.0	
			11	M-3A				13.1	
	-4.1	Dark gray fine-medium GRAVEL, trace silt, Product (wet)						15.0	
			12	M-3B	Macrocore	48		130.5	
	-5.4	Gray CLAY, trace organics (moist)						53.5	Staining and odors observed at 12.5 feet bgs. 6 inches of product in gravel observed above clay, approximately 13 feet bgs.
			13	M-3C				33.8	
	-6.6							10.1	Bottom of boring at 6/15/2022 9:05 AM. Well installed to 14.3 feet bgs with screen from 4.3 to 14.3 feet bgs.
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-39** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 14 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 7, Completion ▼ 7.9, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks
	+7.4	Gray GRAVEL [CONCRETE]	0	M-1	Macrocore	24		0.0	Started Drilling at 6/15/2022 7:50 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
	+2.4	Brown medium-coarse SAND, trace brick, trace concrete, trace silt (moist)[FILL]	5	M-2	Macrocore	36		0.0	M-2 at 5ft
			6					0.0	
		▽	7					0.0	
		▼	8					1.5	
			9					0.5	
	-2.6	Dark gray fine GRAVEL, some silt (wet)	10	M-3A	Macrocore	48		0.0	M-3 at 10ft
	-3.6	Tannish brown medium SAND, trace silt (wet)	11	M-3B				1.5	
	-4.6	Dark gray sandy GRAVEL, trace silt, Product (wet)	12	M-3C				0.1	
	-5.4	Gray CLAY, some organics (moist)	13	M-3D				0.0	
	-6.6		14					0.0	
			15					55.3	Bottom of boring at 6/15/2022 8:53 AM. Well installed to 14.75 feet bgs with screen from 4.75 to 14.75 feet bgs.
			16					105.9	
			17					15.5	
			18					5.2	
			19					0.2	
			20						

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Log of Boring **LMW-40** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 15 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 8, Completion ▼ 8, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Light gray coarse GRAVEL, some silt (dry)[CONCRETE]	0					0.0	Started Drilling at 6/15/2022 11:30 AM. M-1 at 0ft
			1	M-1A				0.0	
	+5.4	Dark brownish gray gravelly fine-coarse SAND, trace brick, trace silt (dry)[FILL]	2		Macrocore	36		0.0	
			3					0.0	
			4	M-1B				0.0	
	+2.4	Dark brownish gray gravelly fine-coarse SAND, trace brick, trace silt (moist)[FILL]	5					0.0	M-2 at 5ft
			6					0.0	
			7	M-2	Macrocore	18		1.5	
			8					0.5	
			9					0.0	
	-2.6	Dark brownish gray gravelly fine-coarse SAND, trace silt (wet)[FILL]	10					0.0	M-3 at 10ft
			11					1.5	
			12	M-3A				0.1	
	-5.1	Dark gray CLAY (moist)	13		Macrocore	24		0.0	Staining, odors, and approx. 1 cm of trace product just above clay, approx 13 feet bgs.
			14	M-3B				25.0	
	-7.6		15					108.0	Well installed to 14.25 feet bgs with screen from 4.25 to 14.25 feet bgs.
			16					0.0	Bottom of boring at 6/15/2022 11:51 AM. Bottom of boring backfilled with non-impacted drilling cuttings to ~14 feet bgs.
			17						
			18						
			19						
			20						

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Log of Boring **LMW-41** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 15 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 10, Completion ▼ 10.2, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Light gray coarse GRAVEL, some silt [CONCRETE]	0					0.0	Started Drilling at 6/15/2022 11:20 AM. M-1 at 0ft
			1	M-1A				0.0	
	+5.4	Dark brownish gray fine-coarse SAND, some f-m gravel, trace silt (dry)[FILL]	2		Macrocore	24		0.0	
			3					0.0	
			4	M-1B				0.0	
	+2.4	Dark brownish gray fine-coarse SAND, some f-m gravel, trace silt (dry)[FILL]	5					0.0	M-2 at 5ft
			6					0.0	
			7					0.0	
			8	M-2A	Macrocore	24		0.5	
	-1.6	Dark tannish gray medium SAND, trace silt (wet)	9	M-2B				0.0	
	-2.6	Dark tannish gray medium SAND, trace silt (wet) ▼	10					0.0	M-3 at 10ft
			11					0.0	
			12					0.0	
			13	M-3A	Macrocore	60			
	-6.8	Dark gray CLAY, trace organics (moist)	14	M-3B					Well installed to 14.1 feet bgs with screen from 4.1 to 14.1 feet bgs.
	-7.6		15						Bottom of boring at 6/15/2022 11:39 AM. Bottom of boring backfilled with non-impacted drilling cuttings to ~14 feet bgs.
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-42** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 15 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 8, Completion ▼ 8.2, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Light gray coarse GRAVEL, some silt (dry)[CONCRETE]	0	M-1	Macrocore	18		0.0	Started Drilling at 6/15/2022 12:47 PM. M-1 at 0ft
			1					0.0	
								0.0	
			2					0.0	
								0.0	
			3					0.0	
								0.0	
			4					0.0	
								0.0	
	+2.4	Dark gray gravelly fine-coarse SAND, trace brick (moist)[FILL]	5	M-2	Macrocore	10		0.0	M-2 at 5ft
								0.0	
			6					0.0	
								0.0	
			7					0.0	
								1.5	
			8					0.5	
								0.0	
			9					0.0	
								0.0	
	-2.6	Dark gray silty fine-medium SAND, some m-c gravel (moist)	10	M-3A	Macrocore	36		1.5	M-3 at 10ft
								0.0	
								0.1	
			11					0.0	
								0.0	
			12					0.0	
								0.0	
			13					0.0	
								0.0	
	-6.8	Dark gray silty fine SAND (moist)	14	M-3B				12.0	Product, staining, and odors observed above silty sand encountered at approx. 14 feet bgs.
	-7.6		15					58.5	Well installed to 14.8 feet bgs with screen from 4.8 to 14.8 feet bgs. Bottom of boring at 6/15/2022 1:01 PM.
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-43** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 4, Completion ▼ 4.4, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks
	+7.4	Dark brownish gray gravelly fine-coarse SAND, trace brick, trace concrete (dry)[FILL]	0	M-1	Macrocore	24		0.0	Started Drilling at 6/16/2022 8:25 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
	+2.4	Tan coarse SAND, some silt (wet)	5	M-2A	Macrocore	50		0.0	M-2 at 5ft
	+1.7	Tan SILT, some fine sand (wet)	6					0.0	
			7					0.0	
			8	M-2B				0.0	
	-1.6	Dark tan medium SAND, trace silt (wet)	9	M-2C				0.0	
	-2.6	Dark tan medium SAND, trace silt (wet)	10	M-3	Macrocore	24		0.0	M-3 at 10ft
			11					0.0	
	-4.6		12					0.0	Bottom of boring at 6/16/2022 9:09 AM. Well installed to 12.1 feet bgs with screen from 2.1 to 12.1 feet bgs.
			13					0.0	
			14					0.0	
			15					0.0	
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-44** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/15/2022 / Date Finished: 06/15/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 4, Completion ▼ 4.5, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Light gray GRAVEL, some silt (dry)[CONCRETE]	0	M-1	Macrocore	24		0.0	Started Drilling at 6/15/2022 1:00 PM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
								0.0	
	+2.4	Mottled tan SILT, some f-c gravel, Dense (dry)	5					0.0	M-2 at 5ft
	+1.4	Dark tannish gray medium-coarse SAND, trace silt (moist)	6	M-2A	Macrocore	16		0.0	
			7					0.0	
			8	M-2B				0.0	
	-1.6	Dark gray CLAY (moist)	9	M-2C				0.0	
	-2.6	Dark gray CLAY (moist)	10	M-3	Macrocore	36		0.0	M-3 at 10ft
	-4.6		11						
			12						Bottom of boring at 6/15/2022 2:58 PM. Well installed to 12.4 feet bgs with screen from 2.4 to 12.4 feet bgs.
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-45** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 4.5, Completion ▼ 4.6, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Dark gray gravelly fine-coarse SAND, trace brick, trace concrete (dry)[FILL]	0	M-1	Macrocore	18		0.0	Started Drilling at 6/16/2022 9:00 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
	+2.4	Tannish gray medium SAND, trace silt (wet)						0.0	M-2 at 5ft
			6	M-2	Macrocore	12		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
	-2.6	Tannish gray medium SAND, trace silt (wet)	10					0.0	M-3 at 10ft
			11	M-3	Macrocore	12			
	-4.6		12						Bottom of boring at 6/16/2022 9:17 AM. Well installed to 12.4 feet bgs with screen from 2.4 to 12.4 feet bgs.
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-46** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 13 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 5, Completion ▼ 4.7, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks
	+7.4	Gray coarse GRAVEL, some silt (dry)[CONCRETE]	0					0.0	Started Drilling at 6/16/2022 9:10 AM. M-1 at 0ft
			1					0.0	
			2	M-1A	Macrocore	30		0.0	
	+4.9	Dark gray medium-coarse SAND, some fine gravel, trace silt (dry)[FILL]	3					0.0	
			4	M-1B				0.0	
	+2.4	Dark gray medium-coarse SAND, some fine gravel, trace silt (dry)[FILL]	5					0.0	M-2 at 5ft
			6	M-2A				0.0	
	+0.4	Tannish gray coarse-medium SAND, trace silt (wet)	7					0.0	
			8	M-2B	Macrocore	60		0.0	
	-0.6	Tannish gray silty medium SAND (wet)		M-2C				0.0	
	-1.6	Tannish gray sandy SILT, Dense (wet)	9					0.0	
				M-2D				0.0	
	-2.6	Tannish gray sandy SILT, Dense (wet)	10					0.0	M-3 at 10ft
			11	M-3	Macrocore	24			
			12						
	-5.6		13						Bottom of boring at 6/16/2022 9:30 AM. Well installed to 13.1 feet bgs with screen from 3.1 to 13.1 feet bgs.
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-47** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 13 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 7, Completion ▼ 7.2, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Grayish brown gravelly fine-coarse SAND, trace brick, trace concrete (dry)[FILL]	0					0.0	Started Drilling at 6/16/2022 11:00 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3	M-1A	Macrocore	50		0.0	
								0.0	
								0.0	
	+3.4	Dark gray gravelly coarse SAND, trace silt (dry)[FILL]	4					0.0	
				M-1B				0.0	
	+2.4	Dark gray gravelly coarse SAND, trace silt (dry)[FILL]	5					0.0	M-2 at 5ft
				M-2A				0.0	
	+1.4	Grayish tan coarse SAND, trace silt (wet)	6					0.0	
				M-2B				0.0	
	+0.4	Gray fine SAND, trace silt (wet) ▽	7		Macrocore	46		0.0	
			8					0.0	
								0.0	
			9	M-2C				0.0	
								0.0	
	-2.6	Gray fine SAND, trace silt (wet)	10					0.0	M-3 at 10ft
			11	M-3	Macrocore	24			
			12						
	-5.6		13						Bottom of boring at 6/16/2022 11:32 AM. Well installed to 13.2 feet bgs with screen from 3.2 to 13.2 feet bgs.
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-48** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 15 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 3, Completion ▼ 3.2, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Grayish brown gravelly fine-coarse SAND, trace brick (dry)[FILL]	0	M-1A	Macrocore	48		0.0	Started Drilling at 6/16/2022 11:45 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
								0.0	
	+3.4	Orangish tan gravelly fine-coarse SAND, trace silt (dry)	4					0.0	
				M-1B				0.0	
	+2.4	Orangish tan gravelly fine-coarse SAND, trace silt (dry)	5					0.0	M-2 at 5ft
				M-2A				0.0	
	+1.4	Dark gray gravelly fine-coarse SAND, trace silt (wet)	6					0.0	
			7					0.0	
			8					0.0	
				M-2B	Macrocore	30		0.0	
			9					0.0	
	-2.6	Dark gray gravelly fine-coarse SAND, trace silt (wet)	10					0.0	M-3 at 10ft
			11						
			12						
			13	M-3	Macrocore	30			
			14						
	-7.6		15						Bottom of boring at 6/16/2022 1:15 PM. Well installed to 14.8 feet bgs with screen from 4.8 to 14.8 feet bgs.
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-49** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 13 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 3, Completion ▼ 3, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Dark gray gravelly fine-coarse SAND, some brick, trace silt (dry)[FILL]	0	M-1A	Macrocore	40		0.0	Started Drilling at 6/16/2022 12:25 PM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
	+2.9	Tan fine-medium SAND, trace silt, trace gravel (moist)		M-1B				0.0	
	+2.4	Tan fine-medium SAND, trace silt, trace gravel (moist)	5	M-2A				0.0	M-2 at 5ft
	+1.9	Dark gray gravelly fine-coarse SAND, trace silt (wet)						0.0	
			6					0.0	
			7		Macrocore	50		0.0	
			8	M-2B				0.0	
			9					0.0	
	-2.1	Dark gray SILT, some organics (wet)		M-2C				0.0	
	-2.6	Dark gray SILT, some organics (wet)	10					0.0	M-3 at 10ft
			11						
			12	M-3	Macrocore	36			
	-5.6		13						Bottom of boring at 6/16/2022 1:14 PM. Well installed to 13.3 feet bgs with screen from 3.3 to 13.3 feet bgs.
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-50** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 4, Completion ▼ 3.8, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Gray sandy coarse GRAVEL (dry)[CONCRETE]	0					0.0	Started Drilling at 6/16/2022 . M-1 at 0ft
			1					0.0	
			2	M-1A	Macrocore	30		0.0	
	+4.9	Dark gray medium-coarse SAND, trace brick, trace concrete, trace silt (moist)[FILL]	3					0.0	
			4	M-1B				0.0	
	+2.4	Dark gray medium-coarse SAND, trace brick, trace concrete, trace silt (wet)[FILL]	5					0.0	M-2 at 5ft
			6					0.0	
			7					0.0	
			8	M-2	Macrocore	48		0.0	
			9					0.0	
	-2.6	Dark gray medium-coarse SAND, trace brick, trace concrete, trace silt (wet)[FILL]	10					0.0	M-3 at 10ft
			11	M-3	Macrocore	24			
	-4.6		12						Bottom of boring at 6/16/2022 10:59 AM. Well installed to 12 feet bgs with screen from 2 to 12 feet bgs.
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **LMW-51** Sheet 1 of 1

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation and Datum: 7.4 NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 06/16/2022 / Date Finished: 06/16/2022
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 13 ft / Rock Depth:
Size and Type of Bit: 3.25in Direct Push	Number of Samples: Disturbed 3, Undisturbed --, Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 5, Completion ▼ 5.3, 24 HR. ▼
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Julio Galarza
Sampler: 1.75 inch x 5 ft Acetate Lined Macrocore	Field Engineer: Samuel Haines
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+7.4	Dark gray gravelly fine-coarse SAND, trace brick, trace concrete (dry)[FILL]	0	M-1	Macrocore	20		0.0	Started Drilling at 6/16/2022 10:40 AM. M-1 at 0ft
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
	+2.4	Dark gray gravelly fine-coarse SAND, trace brick, trace concrete (wet)[FILL]	5	M-2	Macrocore	20		0.0	M-2 at 5ft
			6					0.0	
			7					0.0	
			8					0.0	
			9					0.0	
	-2.6	Dark gray gravelly fine-coarse SAND, trace brick, trace concrete (wet)[FILL]	10	M-3	Macrocore	12		0.0	M-3 at 10ft
			11						
			12						
	-5.6		13						Bottom of boring at 6/16/2022 11:03 AM. Well installed to 12.8 feet bgs with screen from 2.8 to 12.8 feet bgs.
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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APPENDIX B

Well Construction Logs

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WELL CONSTRUCTION SUMMARY

Well No. LMW-35

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 15 feet bgs. Bottom of drilled soil boring backfilled with non-impacted drill cuttings to approximately 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2 to 12 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 1.5 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

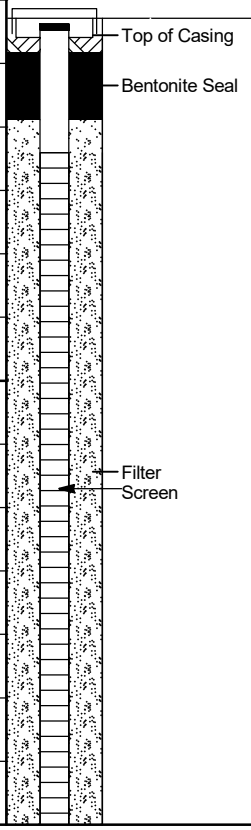
LMW-35 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: Non-impacted Drill Cuttings
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.80'	1.5' bgs
Top of Screen	5.30'	2' bgs
Bottom of Filter		
Bottom of Well	-4.60'	12' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

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WELL CONSTRUCTION SUMMARY

Well No. LMW-36

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.6 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.6 to 12.6 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

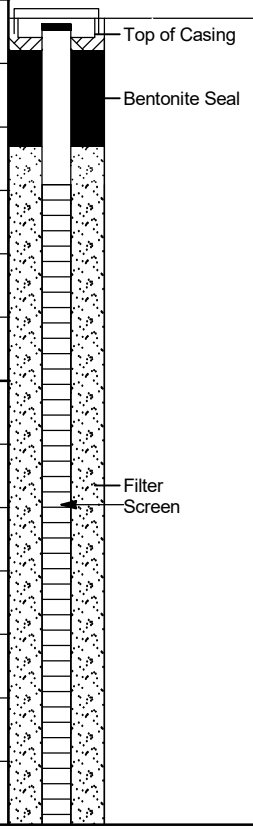
LMW-36 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.30'	2' bgs
Top of Screen	4.70'	2.6' bgs
Bottom of Filter		
Bottom of Well	-5.20'	12.6' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	0
	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
CLAY	12

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WELL CONSTRUCTION SUMMARY

Well No. LMW-37

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.75 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.75 to 12.75 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

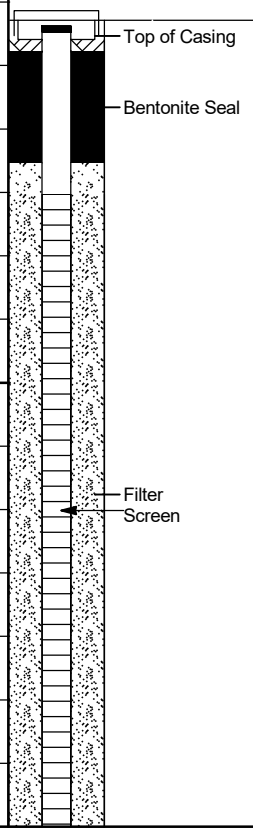
LMW-37 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.05'	2.25' bgs
Top of Screen	4.55'	2.75' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-5.35'	12.75' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	0
	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
CLAY	12

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WELL CONSTRUCTION SUMMARY

Well No. LMW-38

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 14 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 14.3 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 4.3 to 14.3 feet bgs. No. 2 sand was backfilled to approximately 1 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

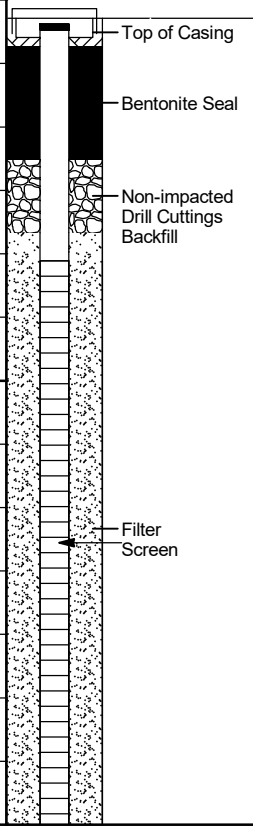
LMW-38 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	3.50'	3.8' bgs
Top of Screen	3.00'	4.3' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-6.90'	14.3' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1 2 3 4 5 6 7 8 9 10 11 12
CLAY	13 14

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WELL CONSTRUCTION SUMMARY

Well No. LMW-39

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 14 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 14.75 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 4.75 to 14.75 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

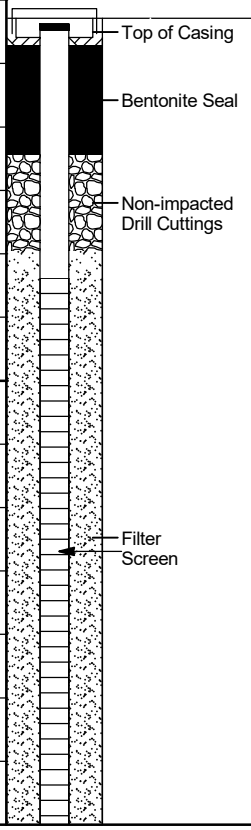
LMW-39 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	3.05'	4.25' bgs
Top of Screen	2.55'	4.75' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-7.35'	14.75' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	0
CLAY	13

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WELL CONSTRUCTION SUMMARY

Well No. LMW-40

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 15 feet bgs. Bottom of drilled soil boring backfilled with non-impacted drilling cuttings to 14 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 14.25 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 4.25 to 14.25 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

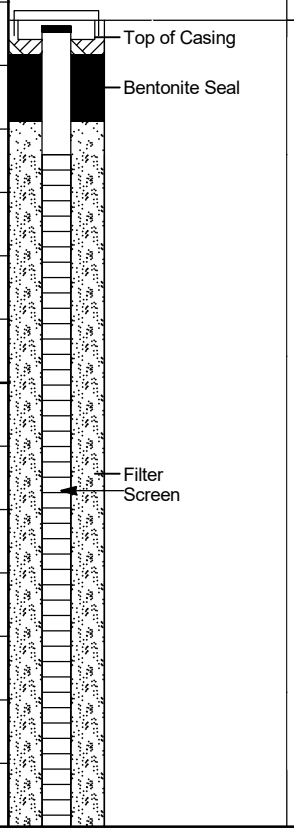
LMW-40 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: Non-impacted Drill Cuttings
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.80'	1.5' bgs
Top of Screen	5.30'	2' bgs
Bottom of Filter		
Bottom of Well	-4.60'	12' bgs
Screen Length	10.0'	Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-41

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 15 feet bgs. Bottom of drilled soil boring backfilled with non-impacted drilling cuttings to 14 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 14.1 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 4.1 to 14.1 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

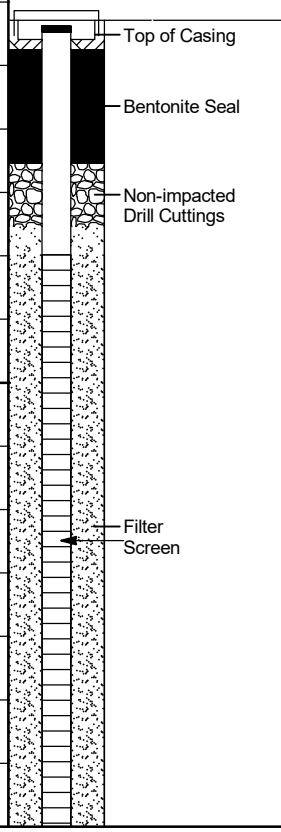
LMW-41 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: Non-impacted Drill Cuttings
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	3.70'	3.6' bgs
Top of Screen	3.20'	4.1' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-6.70'	14.1' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1 2 3 4 5 6 7 8 9 10 11 12 13

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-42

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 15 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 14.8 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 4.8 to 14.8 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A flush-mounted manhole as installed and secured with concrete.

Method of Well Development

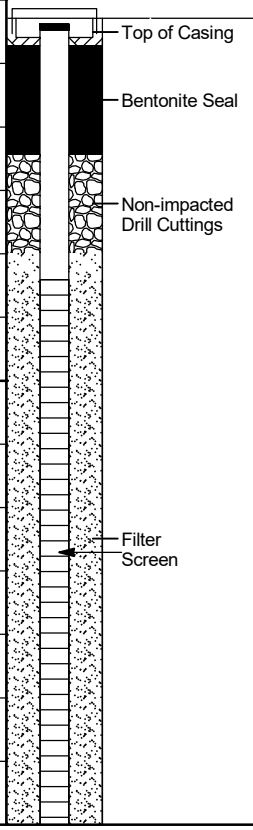
LMW-42 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	3.00'	4.3' bgs
Top of Screen	2.50'	4.8' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-7.40'	14.8' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1 2 3 4 5 6 7 8 9 10 11 12 13 14

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-43

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.1 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.1 to 12.1 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 1.5 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

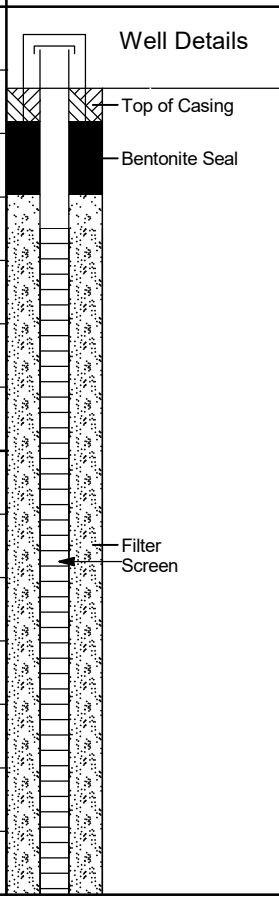
LMW-43 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.70'	1.6' bgs
Top of Screen	5.20'	2.1' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-4.70'	12.1' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-44

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/15/2022 / Date Finished: 6/15/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.4 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.4 to 12.4 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

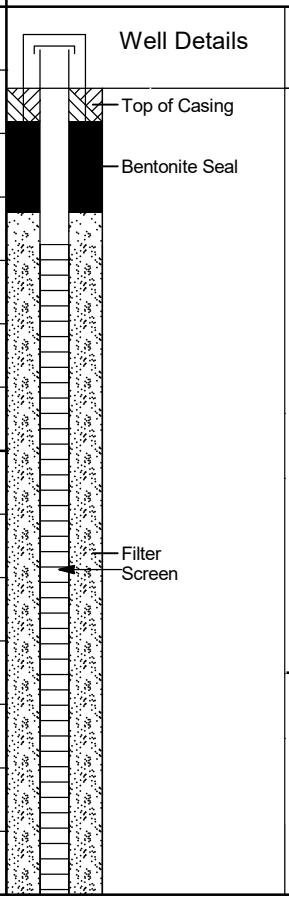
LMW-44 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.40'	1.9' bgs
Top of Screen	4.90'	2.4' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-5.00'	12.4' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	0
	1
	2
	3
	4
	5
	6
	7
	8
	9
CLAY	10
	11
	12

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-45

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.4 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.4 to 12.4 feet bgs. No. 2 sand was backfilled to approximately 0.5 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

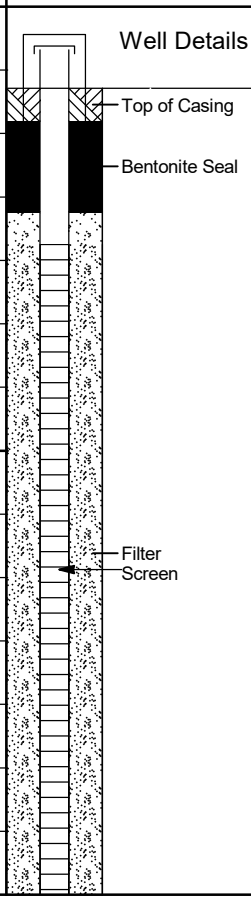
LMW-45 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: --
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.40'	1.9' bgs
Top of Screen	4.90'	2.4' bgs
Bottom of Filter		
Bottom of Well	-5.00'	12.4' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-46

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 13 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 13.5 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 3.5 to 13.5 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.5 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

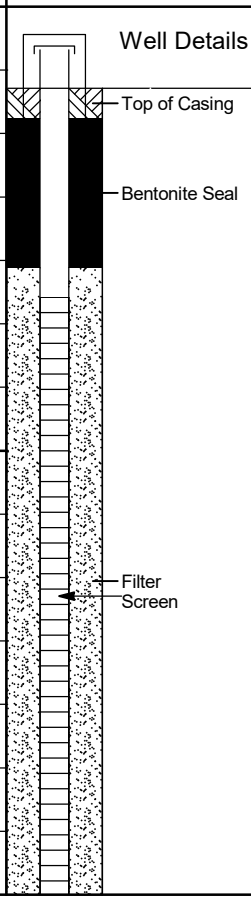
LMW-46 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: --
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	4.30'	3' bgs
Top of Screen	3.80'	3.5' bgs
Bottom of Filter		
Bottom of Well	-6.10'	13.5' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-47

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 13 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 13.2 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 3.2 to 13.2 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

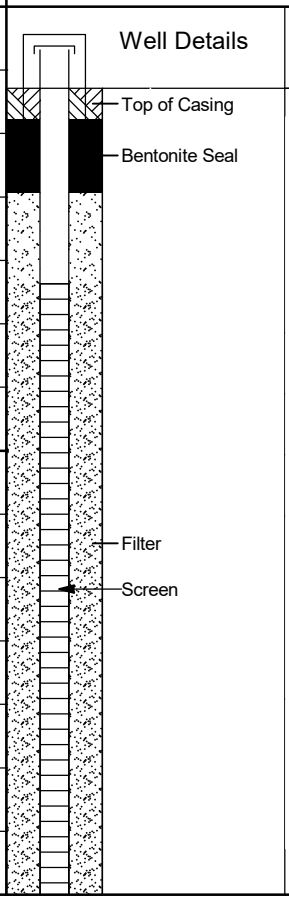
LMW-47 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.60'	1.7' bgs
Top of Screen	4.10'	3.2' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-5.80'	13.2' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1 2 3 4 5 6 7 8 9 10 11 12 13

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WELL CONSTRUCTION SUMMARY

Well No. LMW-48

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 15 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 14.8 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 4.8 to 14.8 feet bgs. No. 2 sand was backfilled to approximately 2.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

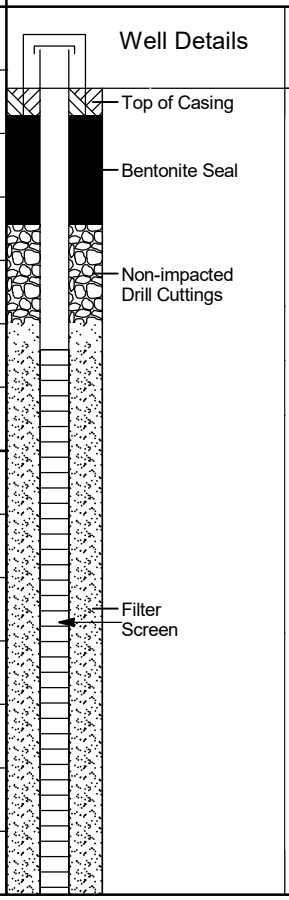
LMW-48 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	3.00'	4.3' bgs
Top of Screen	2.50'	4.8' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-7.40'	14.8' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-49

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 13 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 13.3 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 3.3 to 13.3 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

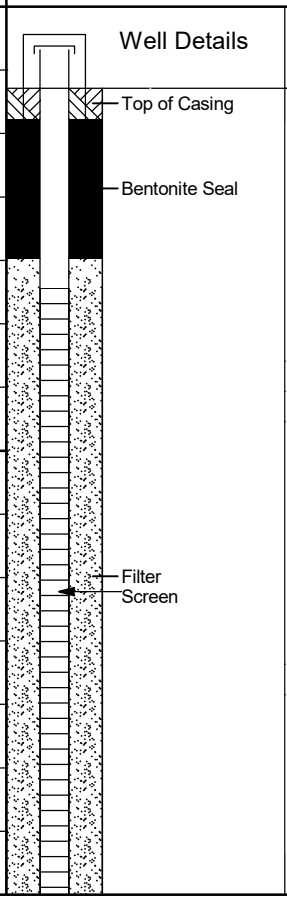
LMW-49 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: --
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	4.50'	2.8' bgs
Top of Screen	4.00'	3.3' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-5.90'	13.3' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification: FILL

Depth (ft): 1 2 3 4 5 6 7 8 9 10 11 12 13

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-50

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 12 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.0 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.0 to 12.0 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

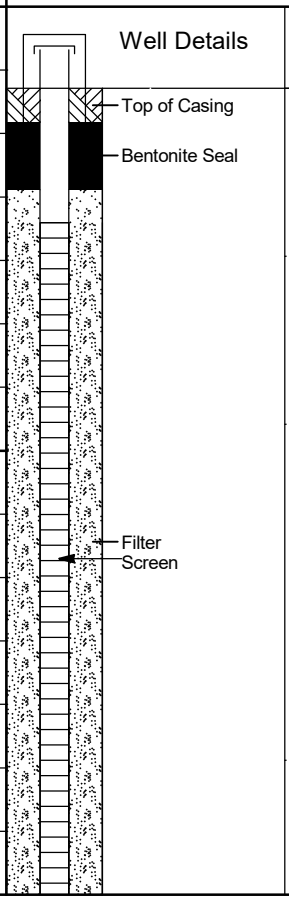
LMW-50 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: --	Diameter: --	Type of Backfill Material: --	
Type of Screen: Schedule-40 PVC 20-Slot	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 3.25-inch		Type of Filter Material: #02 Sand	

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.80'	1.5' bgs
Top of Screen	5.30'	2' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-4.60'	12' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11

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WELL CONSTRUCTION SUMMARY

Well No. LMW-51

Project: 23-30 Borden Avenue	Project No.: 100766601
Location: 23-30 Borden Avenue	Elevation And Datum: 7.3 NAVD88
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 6/16/2022 / Date Finished: 6/16/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Julio Galarza
Size And Type of Bit: 3.25in Direct Push	Inspector: Samuel Haines

Method of Installation

Soil boring drilled to 13 feet bgs. Direct push of a 3.25" outer diameter stainless steel casing to a depth of 12.8 feet bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diamter PVC screen was installed from 2.8 to 12.8 feet bgs. No. 2 sand was backfilled to approximately 1.0 feet above the top of the screen. A 2.0 feet bentonite seal was installed above the sand. A j-plug was used to secure the stick-up casing following installation of the well.

Method of Well Development

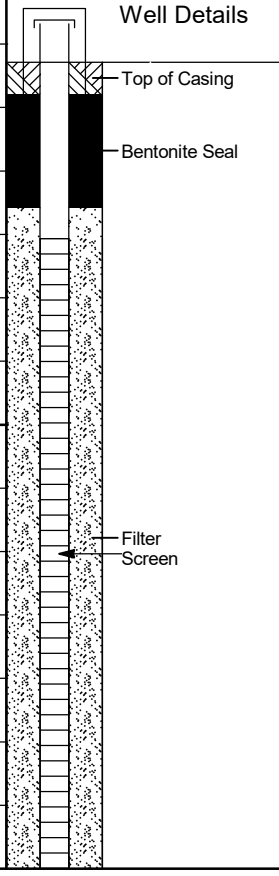
LMW-51 was developed using a whale pump. The well was purged via pumping until the water ran clear. Approximately 15 gallons of water were removed. Purge water was collected in 55-gallon drums for future offsite disposal.

Type of Casing: -- / Diameter: --	Type of Backfill Material: --
Type of Screen: Schedule-40 PVC 20-Slot / Diameter: 2-inch	Type of Seal Material: Bentonite
Borehole Diameter: 3.25-inch	Type of Filter Material: #02 Sand

	Elevation	Depth
Top of Casing	7.30'	0' bgs
Top of Seal	6.80'	0.5' bgs
Top of Filter	5.00'	2.3' bgs
Top of Screen	4.50'	2.8' bgs
Bottom of Filter	Elevation	Depth
Bottom of Well	-5.40'	12.8' bgs
Screen Length: 10.0'		Slot Size: 0.020

GROUNDWATER ELEVATIONS (ft)
(Measured from the Top of Casing)

Elevation	DTW	Date



Soil / Rock Classification	Depth (ft)
FILL	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

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APPENDIX C

Low Flow Sampling Logs

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-35	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	65F, Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	6.30	**Well Depth (ft):**	15	**Pump Depth (ft):**	9		
Background PID (ppm):	0.00	**Well PID (ppm):**	0	**Screen Interval (ft):**	5-15		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
8:05	---	---	---	---	---	---	6.30	100	---	---	Begin Purging	---
8:10	17.36	6.55	-40.0	3.440	100.0	0.70	6.30	100	turbid	no odor		---
8:15	16.54	6.07	-48.0	3.140	100.0	0.05	6.31	100	clear	no odor		---
8:20	16.38	5.89	-69.0	2.950	100.0	0.01	6.31	100	clear	no odor		N
8:25	16.08	5.85	-72.0	2.790	100.0	0.01	6.31	100	clear	no odor		N
8:30	15.75	5.82	-70.0	2.740	86.0	0.01	6.31	100	clear	no odor		N
8:35	15.59	5.79	-70.0	2.660	66.3	0.01	6.31	100	clear	no odor		N
8:40	15.60	5.77	-68.0	2.600	30.0	0.01	6.31	100	clear	no odor		N
8:45	15.77	5.76	-65	2.55	16.8	0.01	6.31	100	clear	no odor		N
8:50	15.76	5.76	-64	2.54	9.9	0.01	6.31	100	clear	no odor		N
8:55	15.79	5.77	-62	2.52	6.1	0.01	6.31	100	clear	no odor		N
9:00	15.77	5.76	-62	2.50	4.9	0.01	6.31	100	clear	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

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LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW 36	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	68F, partly cloudy	**Sampler(s):**	SH, MY		
Initial DTW (ft):	6.72	**Well Depth (ft):**	12.6	**Pump Depth (ft):**	9.7		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	2.6-12.6		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	1		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
10:10	16.32	6.72	-45.00	2.58	809.00	0.00	6.72	400	dark grey	no odor	Begin Purging	---
10:15	15.84	6.69	-42.0	2.560	349.0	0.00	6.71	400	grey	no odor		---
10:20	15.74	6.68	-41.0	2.550	206.0	0.00	6.71	400	grey	no odor		---
10:25	15.68	6.67	-42.0	2.550	119.0	0.00	6.71	400	light grey	no odor		N
10:30	15.64	6.66	-48.0	2.560	99.1	0.00	6.71	400	light grey	no odor		N
10:35	15.60	6.66	-46.0	2.560	66.1	0.00	6.71	400	clear	no odor		N
10:40	15.55	6.66	-45.0	2.560	45.7	0.00	6.71	400	clear	no odor		N
10:45	15.62	6.66	-45.0	2.560	40.7	0.00	6.71	400	clear	no odor		N
10:50	15.58	6.66	-46	2.56	34.7	0.00	6.71	400	clear	no odor		N
10:55	15.55	6.66	-46	2.56	29.3	0.00	6.71	400	clear	no odor		N
11:00	15.51	6.66	-46	2.56	28.6	0.00	6.71	400	clear	no odor		Y
11:05	15.53	6.66	-46	2.56	24.4	0.00	6.71	400	clear	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-37	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	70F, Overcast	**Sampler(s):**	SH, MY		
Initial DTW (ft):	6.05	**Well Depth (ft):**	12.85	**Pump Depth (ft):**	9.85		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	2.75-12.75		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
8:05	19.26	4.29	403.0	1.350	1000.00	8.20	6.75	200	Gray	no odor	Begin Purging	---
8:10	19.26	4.29	403.0	1.350	1000.00	8.20	-	200	Gray	no odor	Gray Silt	---
8:15	19.26	4.29	403.0	1.350	1000.00	8.20	-	200	Gray	no odor		---
8:20	19.26	4.29	403.0	1.350	1000.00	8.20	6.65	200	Gray	no odor		N
8:25	19.26	4.29	403.0	1.350	1000.00	8.20	6.65	200	Clear	no odor		N
8:30	19.26	4.29	403.0	1.350	1000.00	8.20	6.65	200	Clear	no odor		Y
8:35	19.26	4.29	403.0	1.350	1000.00	8.20	6.65	200	Clear	no odor		Y
8:40	19.26	4.29	403.0	1.350	1000.00	8.20	6.65	200	Clear	no odor		Y
8:45	19.26	4.29	403.0	1.350	1000.00	8.20	6.65	200	Clear	no odor	`	Y
8:50	15.55	6.73	-70.0	2.550	26.1	0.00	6.65	200	Clear	no odor		N
8:55	15.51	6.73	-70.0	2.540	19.3	0.00	6.66	200	Clear	no odor		N
9:00	15.51	6.73	-70.0	2.540	16.1	0.00	6.65	200	Clear	no odor	Collect Sample	Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:	305_LMW-37	Sample Time:	9:00	Sample Analyses:	All
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-38	**Date:**	6/23/2023
Job Number:	100766601	**Weather:**	68F, Partly Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	8.35	**Well Depth (ft):**	14.3	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**	113.5	**Screen Interval (ft):**	4.3-14.3		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
12:05	---	---	---	---	---	---	8.35	100	---	---	Begin Purging	---
12:10	19.04	7.93	-79.0	2.570	1000.0	0.39	8.35	100	turbid	no odor		---
12:15	17.68	7.82	-76.0	2.610	1000.0	0.01	8.35	100		no odor		---
12:20	17.25	7.79	-74.0	2.650	420.0	0.01	8.35	100		no odor		N
12:25	17.11	7.77	-74.0	2.660	292.0	0.01	8.35	100		no odor		N
12:30	17.06	7.77	-78.0	2.670	201.0	0.01	8.35	100		no odor		N
12:35	16.88	7.76	-80.0	2.680	171.0	0.01	8.35	100		no odor		N
12:40	16.87	7.74	-80.0	2.670	142.0	0.01	8.35	100		no odor		N
12:45	17.02	7.72	-81	2.68	89.1	0.01	8.35	100		no odor		N
1250	16.84	7.71	-81	2.69	67.9	0.01	8.35	100		no odor		N
1255	16.54	7.70	-82	2.70	56.0	0.01	8.35	100		no odor		N
												N
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												#DIV/0!
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-39	**Date:**	6/24/2023
Job Number:	100766601	**Weather:**	60sF, Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	8.25	**Well Depth (ft):**	14.75	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**	258	**Screen Interval (ft):**	4.75-14.75		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
10:35	---	---	---	---	---	---	8.25	100	---	---	Begin Purging	---
10:40	19.90	9.27	-190.0	2.360	91.4	0.63	8.25	100				---
10:45	17.58	9.03	-177.0	2.420	236.0	0.01	8.25	100	clear	odor		---
10:50	16.84	8.78	-165.0	2.460	111.0	0.01	8.25	100	clear	odor		N
10:55	16.78	8.61	-156.0	2.440	48.0	0.01	8.25	100	clear	odor		N
11:00	16.54	8.52	-151.0	2.420	22.8	0.01	8.25	100	clear	odor		N
11:05	16.57	8.41	-146.0	2.400	7.4	0.01	8.25	100	clear	odor		N
11:10	16.54	8.34	-143.0	2.390	3.0	0.01	8.25	100	clear	odor		N
11:15	16.61	8.26	-139	2.39	1.0	0.01	8.25	100	clear	odor		N
11:20	16.56	8.26	-136	2.39	1.0	0.01	8.25	100	clear	odor		N
11:25	16.54	8.25	-134	2.39	1.0	0.01	8.25	100	clear	odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-40	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	60sF, Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	9.50	**Well Depth (ft):**	12	**Pump Depth (ft):**	11		
Background PID (ppm):	0.0	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	2-12		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
11:05	---	---	---	---	---	---	9.50		---	---	Begin Purging	---
12:00	21.47	6.82	-15.0	2.160	560.0	1.18	9.50	100	turbid	no odor		---
12:05	19.44	6.74	-19.0	2.230	415.0	0.33	9.50	100	turbid	no odor		---
12:10	18.14	6.72	-21.0	2.320	242.0	0.11	9.50	100	turbid	no odor		N
12:15	17.45	6.66	-19.0	2.390	109.0	0.05	9.50	100	turbid	no odor		N
12:20	17.03	6.60	-17.0	2.450	60.1	0.01	9.50	100	turbid	no odor		N
12:25	16.99	6.59	-18.0	2.470	35.2	0.01	9.50	100	turbid	no odor		N
12:30	16.81	6.58	-19.0	2.490	31.0	0.01	9.50	100	turbid	no odor		N
12:35	16.75	6.58	-20	2.50	25.7	0.01	9.50	100	turbid	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-41	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	60sF, Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	7.21	**Well Depth (ft):**	14	**Pump Depth (ft):**	12		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.3	**Screen Interval (ft):**	4.1-14.1		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
10:10	---	---	---	---	---	---	7.65	100	---	---	Begin Purging	---
10:15	18.45	6.71	-114.0	1.700	617.0	0.31	7.65	100	clear	no odor		---
10:20	17.46	6.53	-95.0	1.730	535.0	0.09	7.65	100	clear	no odor		---
10:25	17.07	6.39	-83.0	1.730	430.0	0.01	7.65	100	clear	no odor		N
10:30	16.94	6.32	-78.0	1.730	312.0	0.01	7.65	100	clear	no odor		N
10:35	16.67	6.30	-79.0	1.730	233.0	0.01	7.65	100	clear	no odor		N
10:40	16.56	6.33	-84.0	1.730	184.0	0.01	7.65	100	clear	no odor		N
10:45	16.55	6.33	-87.0	1.730	154.0	0.01	7.65	100	clear	no odor		N
10:50	16.51	6.36	-92	1.73	151.0	0.01	7.65	100	clear	no odor		N
10:55	16.36	6.40	-95	1.73	121.0	0.01	7.65	100	clear	no odor		N
11:00	16.34	6.40	-96	1.73	100.0	0.01	7.65	100	clear	no odor		N
11:05	16.31	6.42	-99	1.72	99.2	0.01	7.65	100	clear	no odor		N
11:10	16.25	6.42	-98	1.73	116.0	0.01	7.65	100	clear	no odor		N
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-42	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	60sF, Overcast	**Sampler(s):**	EA		
Initial DTW (ft):	7.21	**Well Depth (ft):**	14.8	**Pump Depth (ft):**	10		
Background PID (ppm):	0.0	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	4.8-14.8		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. ºC	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
13:30	---	---	---	---	---	---	8.25		---	---	Begin Purging	---
13:35	18.91	6.93	-123.0	1.780	279.0	2.01	8.25	100	turbid	slight odor		---
13:40	16.43	6.89	-128.0	1.910	400.0	0.52	8.25	100				---
13:45	15.32	6.82	-128.0	1.880	195.0	0.15	8.25	100	clear	odor		N
13:50	15.08	6.82	-127.0	1.830	112.0	0.01	8.25	100	clear			N
13:55	14.91	6.82	-128.0	1.800	61.7	0.01	8.25	100	clear	no odor		N
14:00	14.94	6.80	-125.0	1.790	58.8	0.01	8.25	100	clear	no odor		N
14:05	14.89	6.75	-121.0	1.780	54.1	0.01	8.25	100	clear	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW 43	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	68F, partly cloudy	**Sampler(s):**	SH, MY		
Initial DTW (ft):	4.10	**Well Depth (ft):**	12.1	**Pump Depth (ft):**	8.0		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	2.1-12.1		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	2.0		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
12:25	19.65	6.84	-99.00	2.03	253.00	0.50	4.10	400	light grey	no odor	Begin Purging	---
12:30	18.18	6.82	-105.0	1.930	266.0	0.00	4.08	400	light grey	no odor		---
12:35	18.08	6.79	-105.0	1.870	245.0	0.00	4.08	400	light grey	no odor		---
12:40	17.94	6.78	-106.0	1.840	289.0	0.00	4.08	400	light grey	no odor		N
12:45	17.80	6.76	-107.0	1.790	283.0	0.00	4.08	400	light grey	no odor		N
12:50	17.72	6.77	-109.0	1.740	365.0	0.00	4.08	400	light grey	no odor		N
12:55	17.53	6.74	-115.0	1.690	125.0	0.00	4.08	400	clear	no odor		N
1:00	17.54	6.74	-113.0	1.690	110.0	0.00	4.08	400	clear	no odor		N
1:05	17.55	6.74	-113	1.68	103.0	0.00	4.08	400	clear	no odor		N
1:10	17.55	6.73	-113	1.68	94.3	0.00	4.08	400	clear	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:	311_LMW-43	Sample Time:	Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW 44	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	68F, partly cloudy	**Sampler(s):**	SH, MY		
Initial DTW (ft):	4.40	**Well Depth (ft):**	12.4	**Pump Depth (ft):**	8.4		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	2.4 - 12.4		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
2:20	19.79	9.33	-186.00	2.01	804.00	1.24	4.40	400	grey	no odor	Begin Purging	---
2:25	18.59	7.43	-173.0	1.880	445.0	0.00	4.90	400	grey	no odor		---
2:30	18.37	7.18	-148.0	1.820	799.0	0.00	4.90	400	grey	no odor		---
2:35	18.22	7.11	-144.0	1.780	274.0	0.00	4.90	400	light grey	no odor		N
2:40	18.11	7.00	-134.0	1.750	139.0	0.00	4.95	400	light grey	no odor		N
2:45	18.05	6.95	-130.0	1.710	107.0	0.00	4.95	400	light grey	no odor		N
2:50	18.01	6.93	-132.0	1.660	186.0	0.00	4.90	400	clear	no odor		N
2:55	18.02	6.91	-126.0	1.650	124.0	0.00	4.90	400	clear	no odor		N
3:00	17.99	6.90	-126	1.64	118.0	0.00	4.90	400	clear	no odor		N
3:05	17.98	6.90	-126	1.63	85.0	0.00	4.90	400	clear	no odor		N
3:10	17.99	6.90	-126	1.62	92.3	0.00	4.90	400	clear	no odor		N
3:15	17.97	6.90	-126	1.62	98.2	0.00	4.93	400	clear	no odor		N
3:20	17.95	6.90	-126	1.61	97.6	0.00	4.93	401	clear	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:	312_LMW-44	Sample Time:	Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:	

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LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW 45	**Date:**	6/24/2022
Job Number:	100766601	**Weather:**	63F, partly cloudy	**Sampler(s):**	MY		
Initial DTW (ft):	4.48	**Well Depth (ft):**	12.34	**Pump Depth (ft):**	9.2		
Background PID (ppm):	0.000	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	2.34-12.34		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
7:35	16.8	6.66	-83.00	2.36	1000.00	0.17	4.48	400	dark grey	no odor	Begin Purging	---
7:40	16.15	6.72	-95.0	2.330	966.0	0.00	4.74	400	dark grey	no odor		---
7:45	16.24	6.78	-112.0	2.200	635.0	0.00	4.74	400	dark grey	no odor		---
7:50	16.26	6.80	-116.0	2.180	241.0	0.00	4.71	400	light grey	no odor		N
7:55	16.33	6.83	-124.0	2.130	54.2	0.00	4.71	400	clear	no odor		N
8:00	16.37	6.84	-128.0	2.100	28.1	0.00	4.71	400	clear	no odor		N
8:05	16.37	6.84	-128.0	2.100	25.1	0.00	4.71	400	clear	no odor		N
8:10	16.37	6.83	-131.0	2.070	6.9	0.00	4.70	400	clear	no odor		N
8:15	16.4	6.83	-135	2.07	3.7	0.00	4.71	400	clear	no odor		N
8:20	16.4	6.83	-132	2.05	0.0	0.00	4.74	400	clear	no odor		N
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-46	**Date:**	6/23/2022
Job Number:	100766601	**Weather:**	60sF, Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	7.21	**Well Depth (ft):**	13.5	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**	0	**Screen Interval (ft):**	3.5-13.5		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
14:55	---	---	---	---	---	---	7.21	100	---	---	Begin Purging	---
15:00	18.42	8.79	-170.0	1.210	22.0	2.92	7.21	100	turbid	no odor		---
15:05	17.10	7.39	-118.0	1.300	18.0	0.32	7.21	100				---
15:10	16.85	7.21	-115.0	1.260	12.0	0.16	7.21	100				N
15:15	16.69	7.25	-122.0	1.320	9.0	0.10	7.21	100				N
15:20	16.57	7.30	-128.0	1.340	6.0	0.07	7.21	100				N
15:25	16.59	7.33	-130.0	1.340	3.0	0.06	7.21	100				N
15:30	16.57	7.35	-132.0	1.330	2.0	0.06	7.21	100				N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	LMW-47	**Date:**	6/24/2022
Job Number:	100766601	**Weather:**	60sF, Cloudy	**Sampler(s):**	EA		
Initial DTW (ft):	5.85	**Well Depth (ft):**	13.2	**Pump Depth (ft):**	8		
Background PID (ppm):	0.0	**Well PID (ppm):**	0.0	**Screen Interval (ft):**	3.2-13.2		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
7:30	---	---	---	---	---	---	5.85	100	---	---	Begin Purging	---
7:35	16.96	6.40	-16.0	0.939	488.0	0.32	5.85	100	clear	no odor		---
7:40	16.44	6.52	-18.0	0.955	250.0	0.01	5.85	100	clear	no odor		---
7:45	16.23	6.51	-18.0	0.961	141.0	0.01	5.85	100	clear	no odor		N
7:50	16.16	6.41	-14.0	0.968	105.0	0.01	5.85	100	clear	no odor		N
7:55	16.11	6.31	-13.0	0.970	66.0	0.01	5.85	100	clear	no odor		N
8:00	16.14	6.36	-19.0	0.968	46.3	0.01	5.85	100	clear	no odor		N
8:05	16.14	6.18	-9.0	0.972	35.1	0.01	5.85	100	clear	no odor		N
8:10	16.15	6.18	-12	0.97	23.1	0.01	5.85	100	clear	no odor		N
8:15	16.11	6.17	-13	0.97	19.6	0.01	5.85	100	clear	no odor		N
8:20	16.15	6.18	-15	0.98	15.2	0.01	5.85	100	clear	no odor		Y
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-48	**Date:**	6/24/2022
Job Number:	100766601	**Weather:**	69F, sunny	**Sampler(s):**	MY		
Initial DTW (ft):	2.00	**Well Depth (ft):**	15	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**	0	**Screen Interval (ft):**	13		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
9:25	19.33	6.65	-44.00	2.92	1000.00	0.78	2.00	400	dark grey	no odor	Begin Purging	---
9:30	19.40	6.69	-47.0	2.680	907.0	0.40	2.90	400	dark grey	no odor		---
9:35	19.60	6.83	-57.0	2.100	382.0	0.00	2.90	400	grey	no odor		---
9:40	19.73	6.86	-63.0	2.050	199.0	0.00	2.92	400	grey	no odor		N
9:45	19.73	6.90	-68.0	2.000	135.0	0.00	2.85	400	light grey	no odor		N
9:50	19.77	6.91	-71.0	1.980	81.6	0.00	2.85	400	clear	no odor		N
9:55	19.81	6.93	-75.0	1.960	51.1	0.00	2.92	400	clear	no odor		N
10:00	19.77	6.97	-81.0	1.950	45.2	0.00	2.81	400	clear	no odor		N
10:05	19.83	6.95	-81	1.94	25.8	0.00	2.93	400	clear	no odor		N
10:10	19.84	6.96	-83	1.93	16.9	0.00	2.94	400	clear	no odor		N
10:15	19.85	6.97	-84	1.95	15.6	0.00	2.94	400	clear	no odor		N
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-49	**Date:**	6/24/2022
Job Number:	100766601	**Weather:**	73F, sunny	**Sampler(s):**	MY		
Initial DTW (ft):	3.00	**Well Depth (ft):**	12	**Pump Depth (ft):**	9		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.4	**Screen Interval (ft):**	3.3-13.3		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	51860	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
11:00	21.88	6.38	52.00	2.31	1000.00	0.43	3.00	400	drak grey	no odor	Begin Purging	---
11:05	19.52	6.38	40.0	2.300	1000.0	0.00	3.10	400	dark grey	no odor		---
11:10	19.42	6.36	42.0	2.130	1000.0	0.00	3.00	400	dark grey	no odor		---
11:15	19.27	6.37	36.0	2.100	423.0	0.00	3.00	400	grey	no odor		N
11:20	19.27	6.39	30.0	2.030	184.0	0.00	3.00	400	clear	no odor		N
11:25	19.23	6.40	25.0	2.010	111.0	0.00	3.00	400	clear	no odor		N
11:30	19.22	6.40	11.0	1.980	65.7	0.00	3.00	400	clear	no odor		N
11:35	19.17	6.41	18.0	1.970	42.5	0.00	3.00	400	clear	no odor		N
11:40	19.1	6.41	18	1.96	28.1	0.00	3.00	400	clear	no odor		N
11:45	19.31	6.41	17	1.96	28.9	0.00	3.00	400	clear	no odor		N
11:50	19.15	6.41	17	1.95	21.9	0.00	3.00	400	clear	no odor		N
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-50	**Date:**	6/24/2022
Job Number:	100766601	**Weather:**	76F, Sunny	**Sampler(s):**	MY		
Initial DTW (ft):	3.20	**Well Depth (ft):**	12	**Pump Depth (ft):**	9.2		
Background PID (ppm):	0.00	**Well PID (ppm):**	0	**Screen Interval (ft):**	2-12.		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	57680	**Well Diameter (in):**	2		

TIME	TEMP. ºC	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
12:30	18.82	6.76	-18.00	3.90	1000.00	0.11	3.20	400	dark grey	no odor	Begin Purging	---
12:35	22.34	6.70	-16.0	3.670	832.0	0.00	3.50	400	dark grey	no odor		---
12:40	23.29	6.70	-18.0	3.640	691.0	0.00	3.50	400	dark grey	no odor		---
12:45	24.16	6.71	-20.0	3.630	491.0	0.00	3.55	400	grey	no odor		N
12:50	25.12	6.71	-36.0	3.640	280.0	0.00	3.55	400	light grey	no odor		N
12:55	25.39	6.71	-31.0	3.640	258.0	0.00	3.55	400	light grey	no odor		N
1:00	26.10	6.71	-27.0	3.650	213.0	0.00	3.53	400	light grey	no odor		N
1:05	19.02	6.72	-27.0	3.730	397.0	0.00	3.55	400	light grey	no odor		N
1:15	18.21	6.72	-27	3.70	298.0	0.00	3.55	400	light grey	no odor		N
1:20	18.13	6.72	-15	3.71	267.0	0.00	3.50	400	light grey	no odor		N
1:25	18.22	6.71	-12	3.71	243.0	0.00	3.55	400	light grey	no odor		N
1:30	18.2	6.58	-11	3.85	79.6	0.00	3.53	400	light grey	no odor		N
1:35	18.03	6.57	-6	3.85	43.6	0.00	3.50	400	light grey	no odor		N
1:40	18.02	6.58	-3	3.85	31.9	0.00	3.55	400	light grey	no odor		N
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Avenue	**Site Location:**	Queens, NY	**Well No:**	51.00	**Date:**	6/24/2022
Job Number:	100766601	**Weather:**	69F, sunny	**Sampler(s):**	EA		
Initial DTW (ft):	7.38	**Well Depth (ft):**	12.8	**Pump Depth (ft):**	9		
Background PID (ppm):	0.00	**Well PID (ppm):**	0	**Screen Interval (ft):**	2.8-12.8		
Water Quality Meter:	Horiba U-5000	**Water Quality Meter ID:**	---	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
9:00	---	---	---	---	---	---	7.38	100	---	---	Begin Purging	---
9:05	20.70	8.09	-76.0	3.480	1.0	2.00	7.38	100				---
9:10	19.02	7.88	-66.0	3.520	0.0	0.52	7.38	100	clear			---
9:15	18.60	7.87	-65.0	3.520	0.0	0.14	7.38	100				N
9:20	18.52	7.91	-67.0	3.540	0.0	0.02	7.38	100				N
9:25	18.55	7.86	-65.0	3.530	0.0	0.01	7.38	100				N
9:30	18.46	7.85	-64.0	3.530	0.0	0.01	7.38	100				N
9:35	18.51	7.85	-64.0	3.520	0.0	0.01	7.38	100				Y
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-35	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	AV		
Initial DTW (ft):	6.00	**Well Depth (ft):**	12.65	**Pump Depth (ft):**	8.5		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.1	**Screen Interval (ft):**	2 – 12		
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
8:35	19.57	6.58	-58.00	2.04	70.90	1.49	6.00	379	clear	—	Begin Purging	N
8:40	19.60	6.57	-73.0	2.040	50.2	0.29	6.00	189.27	clear	—		N
8:45	19.56	6.59	-85.0	2.040	43.0	0.02	6.00	189.27	clear	—		N
8:50	19.53	6.59	-91.0	2.040	34.8	0.00	6.00	189.27	clear	—		N
8:55	19.51	6.59	-110.0	2.040	28.2	0.00	6.00	189.27	clear	—		#DIV/0!
9:00	19.52	6.58	-142.0	2.030	20.8	0.00	6.00	189.27	clear	—		#DIV/0!
9:05	19.50	6.58	-176.0	2.040	19.3	0.00	6.00	189.27	clear	—		#DIV/0!
9:10	19.44	6.68	-211.0	2.030	15.7	0.00	6.00	189.27	clear	—		#DIV/0!
9:15	19.43	6.58	-233	2.03	12.7	0.00	6.00	189.27	clear	—		#DIV/0!
9:20	19.39	6.58	-237	2.03	11.4	0.00	6.00	189.27	clear	—		#DIV/0!
9:25	19.38	6.58	-244	2.03	9.8	0.00	6.00	189.27	clear	—		#DIV/0!
9:30	19.39	6.57	-247	2.03	10.0	0.00	6.00	189.27	clear	—		#DIV/0!
9:35	19.38	6.57	-250	2.03	8.1	0.00	6.00	189.27	clear	—		#DIV/0!
9:40								2461				#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-36	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	16f	**Sampler(s):**	XY		
Initial DTW (ft):	5.30	**Well Depth (ft):**	12.7	**Pump Depth (ft):**	8		
Background PID (ppm):	0.10	**Well PID (ppm):**	0.1	**Screen Interval (ft):**	2.6-12.6		
Water Quality Meter:	Horiba U5000	**Water Quality Meter ID:**	kxf7	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
11:25	—	—	—	—	—	—	5.30	200	—	—	Begin Purging	—
11:30	18.10	6.79	-77.0	1.910	98.4	0.77	5.30	200	black			—
11:35	17.58	6.77	-82.0	1.910	52.3	0.53	5.30	200				—
11:40	18.09	6.71	-75.0	1.940	42.8	0.52	5.30	200				N
11:45	17.48	6.62	-66.0	1.950	36.6	0.68	5.30	200				N
11:50	17.91	6.65	-71.0	1.940	23.6	0.60	5.30	200				N
11:55	18.00	6.63	-69.0	1.940	20.9	0.73	5.30	200				N
12:00	17.72	6.65	-72.0	1.950	19.2	0.56	5.30	200				N
12:05	17.36	6.67	-72	1.96	24.8	0.67	5.30	200				N
12:10	17.88	6.65	-70	1.93	17.3	0.75	5.30	200				N
12:15	17.71	6.65	-67	1.95	19.9	0.72	5.30	200				N
12:20	17.56	6.68	-71	1.95	17.8	0.62	5.30	200				N
12:25	17.15	6.66	-61	1.97	24.6	1.19	5.30	200				N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-37	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	14 f	**Sampler(s):**	XY		
Initial DTW (ft):	5.80	**Well Depth (ft):**	13.1	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.4	**Screen Interval (ft):**	2.75-12.75		
Water Quality Meter:	Horiba U5000	**Water Quality Meter ID:**	kxf7	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
8:40	—	—	—	—	—	—	5.80	150	—	—	Begin Purging	—
8:45	18.89	7.95	-239.0	1.860	540.0	0.35	5.82	130	black		Run the duplicate	—
8:50	19.12	7.45	-276.0	1.910	296.0	1.32	5.83	130				—
8:55	19.17	7.26	-283.0	1.920	238.0	1.91	5.83	130				N
9:00	19.18	7.12	-291.0	1.940	184.0	2.25	5.83	130				N
9:05	19.22	7.01	-316.0	1.960	124.0	2.59	5.83	130				N
9:10	19.21	6.94	-336.0	1.980	100.0	2.87	5.83	130				N
9:15	19.19	6.94	-348.0	1.980	97.0	3.06	5.83	130				N
9:20	19.20	6.89	-371	1.99	68.0	3.21	5.83	130				N
9:25	19.19	6.88	-385	2.00	60.0	3.30	5.83	130				N
9:30	19.17	6.88	-399	2.00	124.0	3.41	5.83	130				N
9:35	19.20	6.83	-415	2.02	84.9	3.47	5.83	130				N
9:40	19.22	6.83	-441	2.02	64.8	3.69	5.83	130				N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-38	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	XY		
Initial DTW (ft):	4.95	**Well Depth (ft):**	14.3	**Pump Depth (ft):**	8.5		
Background PID (ppm):	0.00	**Well PID (ppm):**	116	**Screen Interval (ft):**	4.3-14.3		
Water Quality Meter:	Horiba U50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
11:40	19.09	7.07	-231.00	2.17	188.00	1.71	4.95	379	grey color	pungent smell	Begin Purging	N
11:45	18.91	6.88	-246.0	2.150	123.0	0.32	4.95	189.27	dark, turbid			N
11:50	18.85	6.82	-242.0	2.150	101.0	0.10	4.95	189.27				N
11:55	18.80	6.75	-229.0	2.160	76.1	0.00	4.95	189.27				N
12:00	18.90	6.65	-224.0	2.180	38.4	0.00	4.95	189.27				#DIV/0!
12:05	18.87	6.62	-230.0	2.190	29.7	0.00	4.95	189.27				#DIV/0!
12:10	18.77	6.59	-248.0	2.190	21.8	0.00	4.95	189.27				#DIV/0!
12:15	18.90	6.57	-279.0	2.210	16.1	0.00	4.95	189.27				#DIV/0!
12:20	18.96	6.55	-316	2.22	12.9	0.00	4.95	189.27				#DIV/0!
12:25	18.98	6.56	-351	2.22	28.0	0.00	4.95	189.27				#DIV/0!
12:30	19	6.54	-372	2.22	11.7	0.00	4.95	189.27				#DIV/0!
12:35	19.04	6.53	-390	2.23	7.2	0.00	4.95	189.27				#DIV/0!
12:40	19.06	6.53	-397	2.23	6.5	0.00	4.95	189.27				#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-39	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	XY		
Initial DTW (ft):	6.70	**Well Depth (ft):**	14.75	**Pump Depth (ft):**	8.4		
Background PID (ppm):	0.00	**Well PID (ppm):**	116	**Screen Interval (ft):**	4.75-14.75		
Water Quality Meter:	Horiba U50	**Water Quality Meter ID:**	--	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
13:35	19.83	7.30	-279.00	1.97	679.00	2.39	6.70	0	grey color	pungent smell	Begin Purging	N
13:40	19.67	7.27	-316.0	1.980	599.0	2.47	6.70	189.27				N
13:45	19.50	7.23	-337.0	1.980	464.0	2.76	6.70	189.27				N
13:50	19.39	7.19	-345.0	1.970	297.0	2.92	6.70	189.27				N
13:55	19.36	7.16	-352.0	1.980	184.0	2.95	6.70	189.27				N
14:00	19.39	7.15	-350.0	1.980	129.0	2.91	6.70	189.27				N
14:05	19.40	7.14	-350.0	1.980	106.0	2.89	6.70	189.27				N
14:10	19.29	7.13	-354.0	1.980	91.4	2.84	6.70	189.27				N
14:15	19.36	7.12	-353	1.99	59.2	2.80	6.70	189.27				N
14:20	19.32	7.12	-353	1.98	43.6	2.77	6.70	189.27				N
14:25	19.41	7.12	-348	1.98	35.6	2.74	6.70	189.27				N
14:30	19.31	7.11	-352	1.99	29.3	2.73	6.70	189.27				N
14:35	19.29	7.11	-355	1.99	25.9	2.72	6.70	189.27				N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-35	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	AV		
Initial DTW (ft):	6.00	**Well Depth (ft):**	12.65	**Pump Depth (ft):**	8.5		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.1	**Screen Interval (ft):**	2 – 12		
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
8:35	19.57	6.58	-58.00	2.04	70.90	1.49	6.00	379	clear	—	Begin Purging	N
8:40	19.60	6.57	-73.0	2.040	50.2	0.29	6.00	189.27	clear	—		N
8:45	19.56	6.59	-85.0	2.040	43.0	0.02	6.00	189.27	clear	—		N
8:50	19.53	6.59	-91.0	2.040	34.8	0.00	6.00	189.27	clear	—		N
8:55	19.51	6.59	-110.0	2.040	28.2	0.00	6.00	189.27	clear	—		#DIV/0!
9:00	19.52	6.58	-142.0	2.030	20.8	0.00	6.00	189.27	clear	—		#DIV/0!
9:05	19.50	6.58	-176.0	2.040	19.3	0.00	6.00	189.27	clear	—		#DIV/0!
9:10	19.44	6.68	-211.0	2.030	15.7	0.00	6.00	189.27	clear	—		#DIV/0!
9:15	19.43	6.58	-233	2.03	12.7	0.00	6.00	189.27	clear	—		#DIV/0!
9:20	19.39	6.58	-237	2.03	11.4	0.00	6.00	189.27	clear	—		#DIV/0!
9:25	19.38	6.58	-244	2.03	9.8	0.00	6.00	189.27	clear	—		#DIV/0!
9:30	19.39	6.57	-247	2.03	10.0	0.00	6.00	189.27	clear	—		#DIV/0!
9:35	19.38	6.57	-250	2.03	8.1	0.00	6.00	189.27	clear	—		#DIV/0!
9:40								2461				#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-36	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	16f	**Sampler(s):**	XY		
Initial DTW (ft):	5.30	**Well Depth (ft):**	12.7	**Pump Depth (ft):**	8		
Background PID (ppm):	0.10	**Well PID (ppm):**	0.1	**Screen Interval (ft):**	2.6-12.6		
Water Quality Meter:	Horiba U5000	**Water Quality Meter ID:**	kxf7	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
11:25	—	—	—	—	—	—	5.30	200	—	—	Begin Purging	—
11:30	18.10	6.79	-77.0	1.910	98.4	0.77	5.30	200	black			—
11:35	17.58	6.77	-82.0	1.910	52.3	0.53	5.30	200				—
11:40	18.09	6.71	-75.0	1.940	42.8	0.52	5.30	200				N
11:45	17.48	6.62	-66.0	1.950	36.6	0.68	5.30	200				N
11:50	17.91	6.65	-71.0	1.940	23.6	0.60	5.30	200				N
11:55	18.00	6.63	-69.0	1.940	20.9	0.73	5.30	200				N
12:00	17.72	6.65	-72.0	1.950	19.2	0.56	5.30	200				N
12:05	17.36	6.67	-72	1.96	24.8	0.67	5.30	200				N
12:10	17.88	6.65	-70	1.93	17.3	0.75	5.30	200				N
12:15	17.71	6.65	-67	1.95	19.9	0.72	5.30	200				N
12:20	17.56	6.68	-71	1.95	17.8	0.62	5.30	200				N
12:25	17.15	6.66	-61	1.97	24.6	1.19	5.30	200				N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-37	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	14 f	**Sampler(s):**	XY		
Initial DTW (ft):	5.80	**Well Depth (ft):**	13.1	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.4	**Screen Interval (ft):**	2.75-12.75		
Water Quality Meter:	Horiba U5000	**Water Quality Meter ID:**	kxf7	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
8:40	—	—	—	—	—	—	5.80	150	—	—	Begin Purging	—
8:45	18.89	7.95	-239.0	1.860	540.0	0.35	5.82	130	black		Run the duplicate	—
8:50	19.12	7.45	-276.0	1.910	296.0	1.32	5.83	130				—
8:55	19.17	7.26	-283.0	1.920	238.0	1.91	5.83	130				N
9:00	19.18	7.12	-291.0	1.940	184.0	2.25	5.83	130				N
9:05	19.22	7.01	-316.0	1.960	124.0	2.59	5.83	130				N
9:10	19.21	6.94	-336.0	1.980	100.0	2.87	5.83	130				N
9:15	19.19	6.94	-348.0	1.980	97.0	3.06	5.83	130				N
9:20	19.20	6.89	-371	1.99	68.0	3.21	5.83	130				N
9:25	19.19	6.88	-385	2.00	60.0	3.30	5.83	130				N
9:30	19.17	6.88	-399	2.00	124.0	3.41	5.83	130				N
9:35	19.20	6.83	-415	2.02	84.9	3.47	5.83	130				N
9:40	19.22	6.83	-441	2.02	64.8	3.69	5.83	130				N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-38	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	XY		
Initial DTW (ft):	4.95	**Well Depth (ft):**	14.3	**Pump Depth (ft):**	8.5		
Background PID (ppm):	0.00	**Well PID (ppm):**	116	**Screen Interval (ft):**	4.3-14.3		
Water Quality Meter:	Horiba U50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
11:40	19.09	7.07	-231.00	2.17	188.00	1.71	4.95	379	grey color	pungent smell	Begin Purging	N
11:45	18.91	6.88	-246.0	2.150	123.0	0.32	4.95	189.27	dark, turbid			N
11:50	18.85	6.82	-242.0	2.150	101.0	0.10	4.95	189.27				N
11:55	18.80	6.75	-229.0	2.160	76.1	0.00	4.95	189.27				N
12:00	18.90	6.65	-224.0	2.180	38.4	0.00	4.95	189.27				#DIV/0!
12:05	18.87	6.62	-230.0	2.190	29.7	0.00	4.95	189.27				#DIV/0!
12:10	18.77	6.59	-248.0	2.190	21.8	0.00	4.95	189.27				#DIV/0!
12:15	18.90	6.57	-279.0	2.210	16.1	0.00	4.95	189.27				#DIV/0!
12:20	18.96	6.55	-316	2.22	12.9	0.00	4.95	189.27				#DIV/0!
12:25	18.98	6.56	-351	2.22	28.0	0.00	4.95	189.27				#DIV/0!
12:30	19	6.54	-372	2.22	11.7	0.00	4.95	189.27				#DIV/0!
12:35	19.04	6.53	-390	2.23	7.2	0.00	4.95	189.27				#DIV/0!
12:40	19.06	6.53	-397	2.23	6.5	0.00	4.95	189.27				#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-39	**Date:**	10/27/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	XY		
Initial DTW (ft):	6.70	**Well Depth (ft):**	14.75	**Pump Depth (ft):**	8.4		
Background PID (ppm):	0.00	**Well PID (ppm):**	116	**Screen Interval (ft):**	4.75-14.75		
Water Quality Meter:	Horiba U50	**Water Quality Meter ID:**	--	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	STABILIZED?
13:35	19.83	7.30	-279.00	1.97	679.00	2.39	6.70	0	grey color	pungent smell	Begin Purging	N
13:40	19.67	7.27	-316.0	1.980	599.0	2.47	6.70	189.27				N
13:45	19.50	7.23	-337.0	1.980	464.0	2.76	6.70	189.27				N
13:50	19.39	7.19	-345.0	1.970	297.0	2.92	6.70	189.27				N
13:55	19.36	7.16	-352.0	1.980	184.0	2.95	6.70	189.27				N
14:00	19.39	7.15	-350.0	1.980	129.0	2.91	6.70	189.27				N
14:05	19.40	7.14	-350.0	1.980	106.0	2.89	6.70	189.27				N
14:10	19.29	7.13	-354.0	1.980	91.4	2.84	6.70	189.27				N
14:15	19.36	7.12	-353	1.99	59.2	2.80	6.70	189.27				N
14:20	19.32	7.12	-353	1.98	43.6	2.77	6.70	189.27				N
14:25	19.41	7.12	-348	1.98	35.6	2.74	6.70	189.27				N
14:30	19.31	7.11	-352	1.99	29.3	2.73	6.70	189.27				N
14:35	19.29	7.11	-355	1.99	25.9	2.72	6.70	189.27				N
												N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-40	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	AV		
Initial DTW (ft):	6.90	**Well Depth (ft):**	13.8	**Pump Depth (ft):**	12		
Background PID (ppm):	0.00	**Well PID (ppm):**	0	**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (gpm)	COLOR?	ODOR?	NOTES	STABILIZED?
8:40	19.34	6.60	-61.00	2.43	0.00	1.25	6.95	0	turbid gray	—	Begin Purging	N
8:45	19.25	6.62	-75.0	2.170	346.0	0.08	6.95	0.066		—		N
8:50	19.25	6.62	-87.0	2.070	145.0	0.00	6.95	0.066		—		N
8:55	19.15	6.64	-104.0	2.060	68.5	0.00	6.95	0.066		—		#DIV/0!
9:00	19.10	6.66	-114.0	2.050	44.5	0.00	6.95	0.066		—		#DIV/0!
9:05	19.05	6.66	-124.0	2.040	21.9	0.00	6.95	0.066		—		#DIV/0!
9:10	19.05	6.65	-129.0	2.040	17.9	0.00	6.95	0.066		—		#DIV/0!
9:15	19.04	6.69	-133.0	2.040	12.1	0.00	6.95	0.066		—		#DIV/0!
9:20	19.06	6.67	-136	2.03	9.7	0.00	6.95	0.066		—		#DIV/0!
9:25	19.08	6.66	-136	2.03	7.8	0.00	6.95	0.066		—		#DIV/0!
9:30	19.12	6.65	-138	2.03	6.7	0.00	6.95	0.066		—		#DIV/0!
9:35	19.15	6.67	-140	2.02	5.6	0.00	6.95	0.066		—		#DIV/0!
9:40	19.18	6.65	-142	2.02	5.1	0.00	6.95	0.066		—		#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-41	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	AV		
Initial DTW (ft):	6.98	**Well Depth (ft):**	14.35	**Pump Depth (ft):**	11.1		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.1	**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (gpm)	COLOR?	ODOR?	NOTES	STABILIZED?
13:10	21	6.74	-110.00	1.74	56.60	0.43	7.15	0	clear,brown tint	—	Begin Purging	N
13:15	20.04	6.71	-122.0	1.700	48.3	0.10	7.35	0.08		—		N
13:20	19.47	6.74	-128.0	1.580	40.1	0.01	7.55	0.08		—		N
13:25	19.27	6.75	-129.0	1.560	38.3	0.00	7.60	0.08		—		N
13:30	19.14	6.70	-124.0	1.490	30.0	0.00	7.60	0.08		—		#DIV/0!
13:35	18.97	6.69	-123.0	1.460	23.2	0.00	7.60	0.08		—		#DIV/0!
13:40	18.92	6.69	-123.0	1.450	17.1	0.00	7.60	0.08		—		#DIV/0!
13:45	18.83	6.67	-120.0	1.400	11.7	0.00	7.60	0.08		—		#DIV/0!
13:50	18.81	6.65	-120	1.42	9.7	0.00	7.60	0.08		—		#DIV/0!
13:55	18.78	6.67	-120	1.43	7.4	0.00	7.65	0.08		—		#DIV/0!
14:00	18.73	6.67	-119	1.42	6.3	0.00	7.65	0.08		—		#DIV/0!
14:05	18.73	6.66	-121	1.42	5.3	0.00	7.65	0.08		—		#DIV/0!
14:10	18.7	6.68	-119	1.43	6.7	0.00	7.65	0.08		—		#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-42	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny	**Sampler(s):**	AV		
Initial DTW (ft):	6.95	**Well Depth (ft):**	14.5	**Pump Depth (ft):**	12		
Background PID (ppm):	0.00	**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (gpm)	COLOR?	ODOR?	NOTES	STABILIZED?
11:00	25.23	6.26	-66.00	1.97	112.00	1.49	7.15	0	clear	—	Begin Purging	N
11:05	19.28	6.67	-141.0	2.240	71.9	0.35	7.15	0.066		—		N
11:10	18.95	6.65	-143.0	2.240	63.8	0.19	7.15	0.066		—		N
11:20	19.00	6.69	-100.0	2.210	49.5	0.16	7.15	0.066		—		N
11:25	18.93	6.67	-127.0	2.210	37.2	0.00	7.15	0.066		—		N
11:30	18.81	6.64	-134.0	2.210	27.3	0.00	7.15	0.066		—		#DIV/0!
11:35	18.84	6.68	-135.0	2.210	28.1	0.00	7.15	0.066		—		#DIV/0!
11:40	18.83	6.66	-136.0	2.200	35.5	0.00	7.15	0.066		—		#DIV/0!
11:45	18.85	6.63	-135	2.19	21.2	0.00	7.18	0.066		—		#DIV/0!
11:50	18.81	6.62	-134	2.18	20.4	0.00	7.18	0.066		—		#DIV/0!
11:55	18.77	6.63	-132	2.17	15.6	0.00	7.18	0.066		—		#DIV/0!
12:00	18.73	6.62	-132	2.16	13.9	0.00	7.18	0.066		—		#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-43	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny, 70	**Sampler(s):**	MJ		
Initial DTW (ft):	5.24	**Well Depth (ft):**	12.49	**Pump Depth (ft):**	10.5		
Background PID (ppm):	0.00	**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
11:14	21.49	7.20	44.00	1.48	124.00	3.20	5.83	300		—	Begin Purging	N
11:19	20.87	7.21	10.0	1.450	129.0	0.74	5.84	300		—		N
11:24	20.07	7.23	-27.0	1.380	80.1	0.26	5.87	300		—		N
11:29	19.62	7.28	-49.0	1.270	57.0	0.10	5.90	300		—		N
11:34	19.42	7.29	-60.0	1.170	37.6	0.02	5.92	300		—		N
11:39	19.28	7.28	-64.0	1.140	36.4	0.01	5.96	300		—		N
11:44	19.22	7.26	-65.0	1.110	26.4	0.01	5.99	300		—		N
11:49	19.18	7.22	-66.0	1.100	28.3	0.01	6.01	300		—		N
11:54	19.13	7.22	-66	1.08	28.9	0.01	6.03	300		—		Y
11:59										—	for anaysis	N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-44	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny, 70	**Sampler(s):**	MJ		
Initial DTW (ft):	6.19	**Well Depth (ft):**	13.59	**Pump Depth (ft):**	11.59		
Background PID (ppm):	0.00	**Well PID (ppm):**		**Screen Interval (ft):**	16-26		
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
8:56	24.4	5.61	508.00	0.00	915.00	7.94	6.36	250		—	Begin Purging	N
9:01	23.82	6.72	128.0	1.810	818.0	0.91	6.36	250		—		N
9:06	21.15	6.88	68.0	1.940	526.0	0.41	6.37	250		—		N
9:11	21.08	6.90	59.0	1.937	477.0	0.60	6.37	250		—		N
9:16	20.97	6.93	53.0	1.920	394.0	1.05	6.38	250		—		N
9:21	20.37	6.94	-1.0	1.920	363.0	0.41	6.38	250		—		N
9:26	20.17	6.91	-14.0	1.910	336.0	0.24	6.38	250		—		N
9:31	19.88	6.91	-26.0	1.220	320.0	0.13	6.38	250		—		N
9:36	19.68	6.92	-36	1.91	303.0	0.05	6.38	250		—		N
9:41	19.54	6.93	-43	1.91	280.0	0.00	6.38	250		—		N
9:46	19.48	6.95	-55	1.88	169.0	0.01	6.38	250				#DIV/0!
9:51	19.35	6.95	-60	1.86	327.0	0.00	6.38	250				#DIV/0!
9:56	19.27	6.95	-61	1.88	338.0	0.00	6.38	250				#DIV/0!
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												#DIV/0!
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-45	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny, 75	**Sampler(s):**	MJ		
Initial DTW (ft):	6.34	**Well Depth (ft):**	13.9	**Pump Depth (ft):**	11.9		
Background PID (ppm):	0.00	**Well PID (ppm):**		**Screen Interval (ft):**	16-26		
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
13:06	22.56	7.22	-7.00	2.13	95.10	1.24	6.36	250		—	Begin Purging	N
13:11	22.39	7.20	-47.0	2.130	88.7	0.51	6.36	250		—		N
13:16	22.30	7.22	-62.0	2.170	89.6	0.17	6.37	250		—		N
13:21	22.17	7.28	-68.0	2.194	87.9	0.11	6.37	250		—		N
13:26	21.96	7.33	-79.0	2.210	85.0	0.05	6.38	250		—		N
13:31	21.83	7.34	-81.0	2.210	82.8	0.03	6.38	250		—		N
13:36	21.66	7.34	-85.0	2.180	71.0	0.01	6.38	250		—		N
13:41	21.45	7.34	-85.0	2.170	45.3	0.01	6.38	250		—		N
13:46	20.58	7.33	-86	2.18	29.0	0.01	6.38	250		—		N
13:51	20.26	7.35	-88	2.18	27.9	0.01	6.38	200		—		N
13:56	20	7.37	-90	2.19	26.4	0.01	6.38	200				Y
14:01											for anaysis	N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-46	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny, 74	**Sampler(s):**	AL		
Initial DTW (ft):	6.76	**Well Depth (ft):**	14.85	**Pump Depth (ft):**	10		
Background PID (ppm):	0.00	**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
10:25	18.56	3.67	35.00	2.43	372.00	2.42	7.33	350	gray	—	Begin Purging	N
10:30	18.53	3.66	32.0	2.330	287.0	2.40	7.24	300	gray	—		N
10:35	18.53	3.54	36.0	2.240	196.0	2.59	7.14	250	gray	—		N
10:40	18.56	3.49	38.0	2.220	177.0	2.56	7.17	250	gray	—		N
10:45	18.51	3.49	36.0	2.190	144.0	2.43	7.14	250	gray	—		N
10:50	18.51	3.49	38.0	2.160	138.0	2.69	7.15	250	gray	—		N
10:55	18.52	3.49	38.0	2.150	127.0	2.48	7.17	250	gray	—		Y
11:00	18.58	3.51	37.0	2.130	115.0	2.35	7.15	250	gray	—		N
11:05	18.57	3.54	35	2.12	112.0	2.17	7.15	250	gray	—		Y
11:10	18.63	3.57	33	2.10	104.0	2.14	7.19	200	clear	—		Y
11:15	18.58	3.59	32	2.10	110.0	1.88	7.16	200	clear			Y
11:20	18.62	3.62	31	2.09	117.0	1.85	7.17	200	clear			Y
11:25	18.61	3.70	29	2.08	116.0	1.87	7.16	200	clear			N
												N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-47	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Sunny, 76	**Sampler(s):**	AL		
Initial DTW (ft):	6.82	**Well Depth (ft):**	14.45	**Pump Depth (ft):**	10		
Background PID (ppm):		**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
13:25	20.2	4.12	20.00	1.96	1000.00	2.05	6.86	200	gray	—	Begin Purging	N
13:30	19.71	3.95	25.0	1.850	1000.0	2.10	6.88	200	gray	—		N
13:35	19.38	3.88	25.0	1.840	1000.0	2.19	6.88	200	gray	—		N
13:40	19.29	3.86	24.0	1.850	668.0	2.12	6.89	200	gray	—		N
13:45	19.32	3.81	25.0	1.880	532.0	2.03	6.89	200	gray	—		N
13:50	19.20	3.79	25.0	1.910	446.0	1.96	6.89	250	gray	—		N
13:55	19.45	3.83	24.0	1.890	364.0	2.05	6.89	250	clear	—		N
14:00	19.49	3.78	25.0	1.890	280.0	2.04	6.89	250	clear	—		N
14:05	19.48	3.77	25	1.89	247.0	1.82	6.90	250	clear	—		N
14:10	19.43	3.75	25	1.89	229.0	1.77	6.90	250	clear	—		N
14:15	19.5	3.74	25	1.88	238.0	1.54	6.90	250	clear	—		N
14:20	19.42	3.77	23	1.88	180.0	1.47	6.90	250	clear	—		N
14:25	19.24	3.80	26	1.89	152.0	1.49	6.90	250	clear	—		N
												N
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-48	**Date:**	11/4/2022
Job Number:	100766601	**Weather:**	Cloudy, 54	**Sampler(s):**	AL		
Initial DTW (ft):	5.28	**Well Depth (ft):**	15.8	**Pump Depth (ft):**	11		
Background PID (ppm):		**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
8:00	17.45	5.83	-12.00	4.15	671.00	1.29	5.25	200	gray	—	Begin Purging	N
8:05	18.95	5.65	-59.0	2.180	550.0	0.34	5.24	350	gray	—		N
8:10	19.22	5.57	-55.0	1.950	341.0	0.23	5.25	400	gray	—		N
8:15	19.24	5.59	-56.0	1.920	189.0	0.32	5.25	450	gray	—		N
8:20	19.15	5.57	-59.0	1.910	113.0	0.40	5.26	450	clear	—		N
8:25	19.04	5.49	-57.0	1.920	101.0	0.50	5.26	400	clear	—		N
8:30	19.07	5.47	-55.0	1.910	84.1	0.38	5.26	350	clear	—		N
8:35	19.02	5.48	-53.0	1.910	74.1	0.31	5.27	300	clear	—		N
8:40	18.97	5.46	-51	1.91	67.8	0.26	5.25	300	clear	—		N
8:45	18.89	5.48	-47	1.91	60.8	0.24	5.24	250	clear	—		N
8:50	18.94	5.52	-48	1.90	57.9	0.22	5.25	250	clear	—		N
8:55	18.99	5.52	-47	1.90	55.5	0.14	5.25	250	clear	—		N
												N
												#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-49	**Date:**	11/4/2022
Job Number:	100766601	**Weather:**	Cloudy, 65	**Sampler(s):**	AL		
Initial DTW (ft):	5.39	**Well Depth (ft):**	13.8	**Pump Depth (ft):**	11		
Background PID (ppm):		**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
10:45	18.52	4.41	52.00	2.73	818.00	8.12	5.37	300	gray	—	Begin Purging	N
10:50	18.49	4.96	19.0	2.490	596.0	2.74	5.38	150	gray	—		N
10:55	18.52	5.18	5.0	2.290	387.0	2.19	5.38	150	gray	—		N
11:00	18.55	5.27	1.0	2.150	313.0	1.88	5.37	150	gray	—		N
11:05	18.57	5.30	-2.0	2.090	245.0	1.73	5.37	150	gray	—		N
11:10	18.59	5.30	-3.0	2.030	191.0	1.69	5.38	150	gray	—		N
11:15	18.66	5.25	-6.0	1.950	109.0	1.76	5.36	200	clear	—		N
11:20	18.68	5.27	-6.0	1.930	91.5	1.71	5.37	150	clear	—		N
11:25	18.69	5.24	-8	1.88	55.9	1.67	5.38	150	clear	—		N
11:30	18.71	5.22	-8	1.86	47.0	1.66	5.37	150	clear	—		N
11:35	18.72	5.19	-9	1.84	36.9	1.66	5.37	150	clear	—		N
11:40	18.74	5.17	-10	1.82	32.7	1.66	5.38	150	clear	—		N
11:45	18.76	5.16	-10	1.82	31.9	1.64	5.38	150	clear			Y
												N
												#DIV/0!
												#DIV/0!
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												#DIV/0!
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:		Sample Analyses:	
QA/QC Sample Number:		QA/QC Sample Time:		QA/QC Sample Analyses:	

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-50	**Date:**	11/4/2022
Job Number:	100766601	**Weather:**	Cloudy, 71	**Sampler(s):**	AL		
Initial DTW (ft):	4.51	**Well Depth (ft):**	12.45	**Pump Depth (ft):**	10		
Background PID (ppm):		**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
12:45	18.03	9.01	-207.00	0.86	543.00	3.12	4.47	400	gray	—	Begin Purging	N
12:50	17.72	9.30	-268.0	0.770	243.0	3.62	4.49	400	gray	—		N
12:55	17.44	9.62	-316.0	0.677	137.0	3.46	4.50	350	gray	—		N
13:00	17.35	9.64	-342.0	0.659	55.6	6.62	4.50	350	clear	—		N
13:05	17.33	9.55	-374.0	0.679	71.6	9.02	4.51	350	clear	—		N
13:10	17.30	9.55	-382.0	0.683	44.3	12.94	4.50	350	clear	—		N
13:15	17.27	9.49	-397.0	0.703	41.1	20.36	4.50	350	clear	—		N
13:20	17.26	9.44	-408.0	0.711	27.6	19.49	4.51	350	clear	—		N
13:25	17.32	9.37	-403	0.72	25.4	12.87	4.50	350	clear	—		N
13:30	17.33	9.31	-408	0.75	18.7	17.71	4.51	350	clear	—		N
13:35	17.28	9.35	-422	0.73	16.3	15.96	4.51	350	clear	—		N
13:40	17.28	9.33	-425	0.74	24.5	13.94	4.51	350	clear	—		N
13:45	17.31	9.42	-425	0.76	26.1	15.64	4.51	350	clear			N
												N
												#DIV/0!
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												#DIV/0!
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

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LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	23-30 Borden Ave	**Site Location:**	Queens, NY	**Well No:**	LMW-51	**Date:**	11/7/2022
Job Number:	100766601	**Weather:**	Cloudy, 71	**Sampler(s):**	AL		
Initial DTW (ft):	3.35	**Well Depth (ft):**	9.75	**Pump Depth (ft):**	7		
Background PID (ppm):		**Well PID (ppm):**		**Screen Interval (ft):**			
Water Quality Meter:	Horiba U-50	**Water Quality Meter ID:**	—	**Well Diameter (in):**	2		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (ml/min)	COLOR?	ODOR?	NOTES	STABILIZED?
8:20	17.61	11.61	-269.00	2.78	379.00	0.87	3.35	300	gray	slight	Begin Purging	N
8:25	17.35	11.72	-289.0	2.900	221.0	0.37	3.35	300	gray	slight		N
8:30	17.22	11.70	-291.0	2.890	129.0	0.21	3.36	300	gray	slight		N
8:35	17.15	11.68	-290.0	2.830	57.6	0.12	3.35	300	gray	slight		N
8:40	17.11	11.65	-291.0	2.770	37.6	0.05	3.35	300	gray	slight		N
8:45	17.12	11.60	-288.0	2.740	39.1	0.25	3.36	300	gray	slight		N
8:50	17.11	11.64	-293.0	2.720	31.5	0.03	3.36	300	gray	slight		N
8:55	17.13	11.62	-294.0	2.670	26.6	0.01	3.35	300	gray	slight		N
9:00	17.11	11.59	-289	2.63	33.3	0.00	3.35	300	gray	slight		N
9:05	17.11	11.59	-291	2.59	28.5	0.00	3.35	200	clear	—		#DIV/0!
9:10	17.09	11.60	-292	2.56	27.0	0.00	3.35	200	clear	—		#DIV/0!
9:15	17.06	11.60	-293	2.55	26.1	0.00	3.35	200	clear	—		#DIV/0!
												#DIV/0!
												#DIV/0!
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	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:

Sample Number:		Sample Time:	Sample Analyses:
QA/QC Sample Number:		QA/QC Sample Time:	QA/QC Sample Analyses:

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Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-35	**Water Quality Device Model:**	Horiba U-52	**Weather:**	35 F cloudy		LMW-35_20230131
Project Number:	100766601	**Well Depth:**	12.87	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	mpler 1.75" bladder	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**	30	**Pine Number:**		**Pump Intake Depth:**	12.0	**Sample Date:**	1/31/2023
Personnel:		**Interval:**	50	**Tubing Diameter:**		**Depth to Water Before Purge:**	5.54	**Sample Time:**	11:54

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:04	9.78	7.09	103	2.09	204	0.93	4.53	200			**N/A**
11:09	10.89	6.65	102	1.91	177	0.01	4.53	200			**N/A**
11:14	9.50	6.05	102	1.89	117.0	0.00	4.54	200			**N**
11:19	10.31	5.77	75	1.88	96.1	0.00	4.54	200			**N**
11:24	10.34	5.69	70	1.87	91.4	0.00	4.54	200			**N**
11:29	10.28	5.68	74	1.85	86.2	0.00	4.54	200			**N**
11:34	10.00	5.45	56	1.85	84.4	0.00	4.54	200			**N**
11:39	9.64	5.37	51	1.84	83.7	0.00	4.54	200			**N**
11:44	9.78	5.33	47	1.83	83.4	0.00	4.54	200			**N**
11:49	9.69	5.28	44	1.82	81.9	0.00					**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-36	**Water Quality Device Model:**	Horiba U-50	**Weather:**	34 F; rain, clouds		LMW-36_20230131
Project Number:	100766601	**Well Depth:**	12.86	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	DUP_20230131
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	9.0	**Sample Date:**	1/31/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	4.86	**Sample Time:**	9:45

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:40	9.44	3.26	276	1.09	489	2.22	4.82	200		light gray, no odor	**N/A**
8:45	11.73	3.22	203	1.05	177	0.93	4.84	300			**N/A**
8:50	12.14	3.21	185	1.05	88.3	0.56	4.83	300			**N**
8:55	12.28	3.19	177	1.05	55.1	0.34	4.82	300			**N**
9:00	12.37	3.18	173	1.05	36.9	0.16	4.85	300			**N**
9:05	12.37	3.23	167	1.05	23.0	0.08	4.84	300			**N**
9:10	12.47	3.18	168	1.05	18.3	0.00	4.83	325			**N**
9:15	12.58	3.16	166	1.05	16.5	0.00	4.83	350			**N**
9:20	12.58	3.16	165	1.05	10.7	0.00	4.84	350			**N**
9:25	12.63	3.16	164	1.05	15.3	0.00	4.83	350			**N**
9:30	12.58	3.16	163	1.05	17.5	0.00	4.85	350			**N**
9:35	12.63	3.15	163	1.05	9.2	0.00	4.83	350			**N**
9:40	12.61	3.14	162	1.05	7.9	0.00	4.84	350			**N**
											N
											N
											N
											N
											N
											N
											N
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											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-37	**Water Quality Device Model:**	Horiba U-52	**Weather:**	35 F cloudy		LMW-37_20230131
Project Number:	100766601	**Well Depth:**	13.04	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	mpler 1.75" bladder	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**	50	**Pine Number:**		**Pump Intake Depth:**	12.5	**Sample Date:**	1/31/2023
Personnel:		**Interval:**	55	**Tubing Diameter:**		**Depth to Water Before Purge:**	5.35	**Sample Time:**	15:20

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
12:51	10.35	4.70	199	1.75	154	4.39	5.36	200			**N/A**
12:56	11.74	1.42	-19	1.60	144	4.03	5.31	200			**N/A**
13:01	11.80	1.30	-21	1.62	108.0	4.05		200			**N**
13:06										At 13:05 pump sta	**N**
13:16	9.80	1.82	-20	1.57	421.0	4.00	5.32	200			**N**
13:21	10.69	1.46	-17	1.63	596.0	4.30	5.33	200			**N**
13:26										At 13:26 pump sto	**N**
13:50	10.83	0.93	14	1.60	580.0	3.93	5.33	200			**N**
13:55	11.71	1.02	-14	1.63	522.0	2.37	5.33	200			**N**
14:00	12.41	1.22	-55	1.69	387.0	1.86	5.34	200			**N**
14:05	12.51	1.14	-62	1.69	262.0	2.08	5.33	200			**N**
14:10							5.33	200		At 14:10 horiba sw	**N**
14:15	10.55	4.05	63	1.56	150.0	2.55	5.33	200			**N**
14:20	10.93	3.19	58	1.55	131.0	0.44	5.33	200			**N**
14:25	11.24	2.12	-12	1.59	104.0	0.00	5.33	200			**N**
14:30	11.28	1.89	-57	1.58	89.4	0.00	5.33	200			**N**
14:35	11.28	1.49	-52	1.57	75.5	0.00	5.33	200			**N**
14:40	11.36	1.27	-43	1.58	72.0	0.00	5.33	200			**N**
14:45	11.40	1.08	-25	1.55	60.6	0.00	5.33	200			**N**
14:50	11.38	1.12	-13	1.55	52.5	0.00	5.33	200			**N**
14:55	11.27	0.97	-9	1.54	48.4	0.00	5.33	200			**N**
15:00	11.29	0.83	-11	1.55	43.7	0.00	5.33	200			**N**
15:05	11.31	0.75	-3	1.54	35.1	0.00	5.33	200			**N**
15:10	11.34	0.67	-7	1.54	30.6	0.00	5.33	200			**N**
15:15	11.26	0.61	-4	1.54	30.3	0.00	5.33	200			**N**
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-38	**Water Quality Device Model:**	Horiba U-52	**Weather:**	30 F cloudy		LMW-38_20230201
Project Number:	100766601	**Well Depth:**	11.79	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	peristaltic pump	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	8.3	**Sample Date:**	2/1/2023
Personnel:		**Interval:**		**Tubing Diameter:**		**Depth to Water Before Purge:**	4.53	**Sample Time:**	9:24

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:19	9.05	4.99	97	1.30	53	4.60	4.52	300			**N/A**
8:24	11.08	7.15	-273	1.87	71	0.84	4.53	300			**N/A**
8:29	11.49	7.08	-283	1.89	50.5	0.54	4.53	300			**N**
8:34	11.86	6.98	-300	2.00	36.3	0.32	4.53	300			**N**
8:39	12.06	6.93	-318	2.08	18.6	0.16	4.54	300			**N**
8:44	12.05	6.91	-336	2.13	9.5	0.12	4.53	300			**N**
8:49	12.03	6.89	-348	2.16	0.0	0.63	4.53	300			**N**
8:54	11.99	6.90	-348	2.17	0.0	0.24	4.53	300			**N**
8:59	12.07	6.90	-350	2.16	0.0	0.12	4.53	300			**N**
9:04	12.06	6.89	-350	2.16	0.0	0.08	4.53	300			**Y**
9:09	12.07	6.89	-350	2.17	0.0	0.07	4.53	300			**Y**
9:14	12.10	6.89	-351	2.18	0.0	0.06	4.53	300			**Y**
9:19	12.14	6.89	-351	2.19	0.0	0.06	4.53	300			**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-39	**Water Quality Device Model:**	Horiba U-52	**Weather:**	30 F cloudy		LMW-39_20230201
Project Number:	100766601	**Well Depth:**	13.43	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	peristaltic pump	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	8.3	**Sample Date:**	2/1/2023
Personnel:		**Interval:**		**Tubing Diameter:**		**Depth to Water Before Purge:**	6.29	**Sample Time:**	11:42

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:57	4.25	7.39	-302	1.99	118	4.24	4.29	300			**N/A**
11:02	10.85	7.25	-330	1.70	92	1.63	4.29	300			**N/A**
11:07	11.22	7.13	-359	1.69	74.8	0.34	4.29	300			**N**
11:12	11.72	7.11	-364	1.69	28.0	0.13	4.29	300			**N**
11:17	11.89	7.11	-365	1.69	14.9	0.11	4.29	300			**N**
11:22	12.04	7.10	-366	1.69	1.8	0.06	4.29	300			**N**
11:27	12.17	7.10	-367	1.69	0.0	0.00	4.29	300			**N**
11:32	12.23	7.10	-367	1.69	0.0	0.00	4.29	300			**Y**
11:37	12.15	7.11	-368	1.69	0.0	0.00	4.29	300			**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
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											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-40	**Water Quality Device Model:**	Horiba U-50	**Weather:**	29 F; clouds		LMW-40_20230201
Project Number:	100766601	**Well Depth:**	13.80	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	8.0	**Sample Date:**	2/1/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	6.28	**Sample Time:**	9:35

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:30	2.85	4.83	24	2.23	188	4.13	6.31	200		very small amount of product on interface probe; light gray; sulfuric odor	**N/A**
8:35	4.20	4.74	12	2.24	495	1.34	6.26	200			**N/A**
8:40	6.73	4.66	14	2.11	412	0.78	6.31	300			**N**
8:45	9.34	4.57	15	1.95	195	0.31	6.31	300			**N**
8:50	9.91	4.74	14	1.93	116	0.12	6.30	325			**N**
8:55	10.06	4.75	13	1.92	91.7	0.06	6.30	325			**N**
9:00	9.33	4.52	12	1.95	77.7	0.02	6.30	325			**N**
9:05	8.14	4.48	11	1.98	69.1	0.00	6.29	325			**N**
9:10	10.11	4.47	10	1.87	56.9	0.00	6.29	325			**N**
9:15	10.20	4.47	9	1.87	49.8	0.00	6.30	325			**N**
9:20	10.35	4.42	8	1.86	45.2	0.00	6.30	325			**N**
9:25	10.37	4.42	6	1.86	46.5	0.00	6.31	325			**Y**
9:30	10.41	4.42	5	1.85	38.6	0.00	6.30	325			**N**
											N
											N
											N
											N
											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-41	**Water Quality Device Model:**	Horiba U-50	**Weather:**	53 F; clouds		LMW-41_20230130
Project Number:	100766601	**Well Depth:**	13.00	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	8.0	**Sample Date:**	1/30/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	5.26	**Sample Time:**	13:40

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:10	14.52	4.41	73	1.08	348	3.50	5.44	250		1.65' of product at bottom of well; light gray; strong odor	**N/A**
13:15	14.23	4.10	67	1.08	216	1.27	5.41	200			**N/A**
13:20	13.87	4.06	64	1.08	205	0.57	5.41	200			**N**
13:25	13.66	4.05	62	1.08	140	0.32	5.41	200			**N**
13:30	13.48	4.05	60	1.09	143	0.17	5.38	200			**N**
13:35	13.34	4.08	58	1.09	139	0.04	5.41	200			**Y**
											N
											N
											N
											N
											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-42	**Water Quality Device Model:**	Horiba U-50	**Weather:**	30 F; clouds		LMW-42_20230201
Project Number:	100766601	**Well Depth:**	14.30	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Robert Bandstra	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	9.5	**Sample Date:**	2/1/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	6.35	**Sample Time:**	11:15

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
9:40	9.70	6.50	43	2.67	336	12.56	6.43	150		petroleum odor	**N/A**
9:45	9.42	6.55	-31	2.42	289	13.21	6.46	150			**N/A**
9:50	10.53	6.47	-69	2.66	243	8.48	6.46	150			**N**
9:55	9.95	6.50	-85	2.62	209	7.77	6.47	150			**N**
10:00	10.17	6.49	-82	2.61	183	7.65	6.46	150			**N**
10:05	10.22	6.53	-92	2.60	136	10.02	6.45	150			**N**
10:10	10.45	6.62	-93	2.58	114	10.62	6.46	150			**N**
10:15	10.39	6.64	-101	2.60	90.7	8.96	6.45	150			**N**
10:20	10.28	6.68	-109	2.58	69.5	10.44	6.45	150			**N**
10:25	10.40	6.73	-114	2.61	53.6	9.44	6.45	150			**N**
10:30	10.26	6.73	-114	2.57	48.6	7.42	6.45	150			**N**
10:35	10.18	6.75	-114	2.59	36.0	8.83	6.45	150			**N**
10:40	10.40	6.74	-117	2.58	31.2	10.17	6.45	150			**N**
10:45	10.27	6.75	-118	2.59	28.1	9.32	6.45	150			**N**
											N
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											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-43	**Water Quality Device Model:**	Horiba U-50	**Weather:**	44 F; clouds		LMW-43_20230130
Project Number:	100766601	**Well Depth:**	14.85	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	10.0	**Sample Date:**	1/30/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	5.04	**Sample Time:**	9:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:25	11.40	8.33	48	2.44	1000	1.51	5.42	250		gray; no odor	**N/A**
8:30	11.56	8.22	36	2.42	1000	0.72	5.22	300			**N/A**
8:35	12.02	8.14	20	2.35	1000	0.65	6.23	500			**N**
8:40	11.95	7.99	11	2.21	1000	0.63	6.31	450			**N**
8:45	11.93	7.87	0	2.10	1000	0.58	6.15	350			**N**
8:50	11.94	7.75	-10	2.01	1000	0.32	6.00	300			**N**
8:55	11.93	7.65	-36	1.85	1000	0.40	5.95	250			**N**
9:00	11.94	7.59	-36	1.83	1000	0.11	5.94	250			**N**
9:05	11.93	7.51	-44	1.79	588	0.00	5.93	300			**N**
9:10	11.98	7.65	-58	1.81	738	0.00	5.92	300			**N**
9:15	11.97	7.69	-76	1.79	1000	0.00	5.85	300			**N**
9:20	11.95	7.69	-83	1.75	1000	0.00	5.86	300			**N**
9:25	11.96	7.71	-88	1.75	973	0.00	5.84	300			**N**
											N
											N
											N
											N
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											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-44	**Water Quality Device Model:**	Horiba U-50	**Weather:**	46 F; clouds		LMW-44_20230130
Project Number:	100766601	**Well Depth:**	14.70	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	10.0	**Sample Date:**	1/30/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	5.28	**Sample Time:**	11:25

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:20	11.39	6.10	153	1.29	1000	3.60	5.54	300		gray; no odor	**N/A**
10:25	11.28	5.87	114	1.28	1000	1.61	5.44	300			**N/A**
10:30	11.29	5.70	94	1.32	1000	0.90	5.57	300			**N**
10:35	11.31	7.88	-52	1.68	1000	0.34	5.56	300			**N**
10:40	11.32	7.74	-55	1.73	1000	0.15	5.54	300			**N**
10:45	11.35	7.62	-56	1.75	913	0.06	5.55	300			**N**
10:50	11.38	7.55	-58	1.78	695	0.00	5.57	300			**N**
10:55	11.41	7.49	-58	1.79	516	0.00	5.58	300			**N**
11:00	11.40	7.42	-58	1.80	433	0.00	5.53	300			**N**
11:05	11.41	7.36	-58	1.81	325	0.00	5.55	300			**N**
11:10	11.41	7.30	-58	1.82	240	0.00	5.55	250			**N**
11:15	11.38	7.26	-58	1.83	202	0.00	5.54	250			**N**
11:20	11.37	6.97	-43	1.83	157	0.00	5.54	250			**N**
											N
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											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-45	**Water Quality Device Model:**	Horiba U-52	**Weather:**	50 F cloudy		LMW-45_20230130
Project Number:	100766601	**Well Depth:**	50	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	4"	**Pump Make and Model:**	mpler 1.75" bladder	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**	35	**Pine Number:**		**Pump Intake Depth:**	10.5	**Sample Date:**	1/30/2023
Personnel:		**Interval:**	50	**Tubing Diameter:**		**Depth to Water Before Purge:**	3.41	**Sample Time:**	9:54

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
8:34	8.14	5.76	340	0.67	1000	1.62	3.82	250			**N/A**
8:39	10.38	4.96	261	1.08	1000	0.44	3.80	250			**N/A**
8:44	10.52	4.36	261	1.06	894.0	0.38	3.79	250			**N**
8:49	10.75	4.00	245	1.06	768.0	0.60	3.78	250			**N**
8:54	10.87	3.78	222	1.07	617.0	0.96	3.78	250			**N**
8:59	10.91	3.62	202	1.10	517.0	1.15	3.77	250			**N**
9:04	10.99	3.48	179	1.14	395.0	1.40	3.77	250			**N**
9:09	11.00	3.41	167	1.17	339.0	1.51	3.77	250			**N**
9:14	10.98	3.30	149	1.22	234.0	1.61	3.76	250			**N**
9:19	11.01	5.60	13	1.31	198.0	0.01	3.76	250			**N**
9:24	10.99	5.54	13	1.34	168.0	0.01	3.76	250			**N**
9:29	11.02	5.49	12	1.35	152.0	0.01	3.76	250			**N**
9:34	11.05	5.43	10	1.38	125.0	0.01	3.76	250			**N**
9:39	11.01	5.36	7	1.41	101.0	0.01	3.76	250			**N**
9:44	11.06	5.32	6	1.43	85.7	0.01	3.76	250			**N**
9:49	11.07	5.29	5	1.45	78.9	0.01	3.76	250			**N**
											N
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											N
											N
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											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-46	**Water Quality Device Model:**	Horiba U-52	**Weather:**	50 F cloudy		LMW-46_20230130
Project Number:	100766601	**Well Depth:**	14.81	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	mpler 1.75" bladder	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**	41	**Pine Number:**		**Pump Intake Depth:**	14.0	**Sample Date:**	1/30/2023
Personnel:		**Interval:**	71	**Tubing Diameter:**		**Depth to Water Before Purge:**	5.88	**Sample Time:**	12:05

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:55	11.44	6.67	188	2.05	0	2.58	6.05	220			**N/A**
11:00	11.68	6.55	206	2.11	0	0.59	6.11	220			**N/A**
11:05	12.09	6.35	237	2.10	1000.0	0.01	6.14	220			**N**
11:10	12.45	6.20	258	2.08	869.0	0.01	6.15	220			**N**
11:15	12.84	6.06	275	2.06	696.0	0.01	6.14	220			**N**
11:20	13.15	5.96	287	2.03	578.0	0.01	6.14	220			**N**
11:25	13.38	5.88	296	2.01	462.0	0.00	6.15	220			**N**
11:30	13.62	5.76	306	1.98	349.0	0.00	6.16	220			**N**
11:35	13.77	5.66	313	1.94	287.0	0.00	6.15	220			**N**
11:40	13.88	5.51	323	1.93	224.0	0.00	6.15	220			**N**
11:45	13.95	5.42	330	1.91	186.0	0.00	6.15	220			**N**
11:50	13.94	5.34	338	1.90	140.0	0.00	6.14	220			**N**
11:55	13.92	5.31	343	1.89	109.0	0.00	6.15	220			**N**
12:00	13.91	5.30	347	1.89	85.4	0.00	6.15	220			**N**
											N
											N
											N
											N
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											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-47	**Water Quality Device Model:**	Horiba U-52	**Weather:**	50 F cloudy		LMW-47_20230130
Project Number:	100766601	**Well Depth:**	14.5	**Pine Number:**	axc7	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	mpler 1.75" bladder	**PID Beneath Inner Cap (ppm):**			
Sampling	Mitchel Johnson	**Well Screen**	35	**Pine Number:**		**Pump Intake Depth:**	14.0	**Sample Date:**	1/30/2023
Personnel:		**Interval:**	55	**Tubing Diameter:**		**Depth to Water Before Purge:**	6.01	**Sample Time:**	14:11

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:06	12.98	5.48	-7	2.73	1000	3.09	6.05	250			**N/A**
13:11	13.01	5.11	-12	2.44	1000	1.83	6.07	250			**N/A**
13:16	13.05	4.95	-20	2.18	1000.0	0.00	6.08	250			**N**
13:21	13.05	4.92	-21	2.13	1000.0	0.00	6.08	250			**N**
13:26	13.07	4.83	-21	2.03	1000.0	0.00	6.07	250			**N**
13:31	13.06	4.77	-22	1.99	835.0	0.00	6.07	250			**N**
13:36	13.05	4.70	-23	1.98	653.0	0.00	6.07	250			**N**
13:41	13.04	4.66	-23	1.98	557.0	0.00	6.07	250			**N**
13:46	13.05	6.64	-24	1.99	458.0	0.00	6.07	250			**N**
13:51	13.08	4.61	-25	1.97	370.0	0.00	6.07	250			**N**
13:56	13.08	4.60	-26	1.98	302.0	0.00	6.07	250			**N**
14:01	13.11	4.59	-27	1.98	256.0	0.00	6.07	250			**N**
14:06	13.11	4.58	-27	1.98	212.0	0.00	6.07	250			**N**
											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-48	**Water Quality Device Model:**	Horiba U-50	**Weather:**	37 F; clouds		LMW-48_20230131
Project Number:	100766601	**Well Depth:**	15.60	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	10.0	**Sample Date:**	1/31/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	4.45	**Sample Time:**	12:20

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:15	10.81	4.53	339	1.10	121	2.15	4.46	350		clear; no odor	**N/A**
11:20	11.52	4.59	299	1.04	87.6	0.78	4.47	350			**N/A**
11:25	11.79	4.31	249	0.987	60.0	0.33	4.46	350			**N**
11:30	11.93	4.16	214	0.951	46.7	0.13	4.47	350			**N**
11:35	12.02	4.07	190	0.917	36.9	0.01	4.47	350			**N**
11:40	12.09	3.93	178	0.887	28.5	0.00	4.45	350			**N**
11:45	12.21	3.89	174	0.873	26.6	0.00	4.46	350			**N**
11:50	12.19	3.80	169	0.858	23.2	0.00	4.46	350			**N**
11:55	12.10	3.73	167	0.846	15.3	0.00	4.46	350			**N**
12:00	12.15	3.71	165	0.843	11.9	0.00	4.45	350			**N**
12:05	12.15	3.68	163	0.835	8.7	0.00	4.46	350			**N**
12:10	12.11	3.64	162	0.830	5.4	0.00	4.45	350			**N**
12:15	12.18	3.61	160	0.824	4.7	0.00	4.46	350			**N**
											N
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											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-49	**Water Quality Device Model:**	Horiba U-50	**Weather:**	38 F; clouds		LMW-49_20230131
Project Number:	100766601	**Well Depth:**	13.50	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	10.0	**Sample Date:**	1/31/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	4.26	**Sample Time:**	14:15

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:10	9.08	4.70	287	0.801	113	1.57	4.31	300		slightly turbid;	**N/A**
13:15	9.18	4.65	268	0.784	63.2	0.46	4.31	300		no odor	**N/A**
13:20	9.10	4.37	245	0.772	57.8	0.26	4.32	300			**N**
13:25	9.08	4.12	220	0.755	40.2	0.09	4.30	300			**N**
13:30	9.07	4.01	207	0.744	36.5	0.00	4.30	300			**N**
13:35	9.14	3.87	186	0.713	19.4	0.00	4.31	300			**N**
13:40	9.31	3.84	180	0.697	11.3	0.00	4.32	300			**N**
13:45	9.31	3.83	178	0.694	10.5	0.00	4.31	300			**N**
13:50	9.34	3.82	174	0.692	9.6	0.00	4.30	300			**N**
13:55	9.35	3.79	172	0.686	8.4	0.00	4.31	300			**N**
14:00	9.35	3.75	169	0.683	7.4	0.00	4.30	300			**N**
14:05	9.37	3.69	168	0.679	6.6	0.00	4.31	300			**N**
14:10	9.37	3.65	166	0.675	5.4	0.00	4.30	300			**N**
											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-50	**Water Quality Device Model:**	Horiba U-50	**Weather:**	30 F; clouds		LMW-50_20230201
Project Number:	100766601	**Well Depth:**	12.45	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	8.0	**Sample Date:**	2/1/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	3.83	**Sample Time:**	12:00

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:55	8.22	4.88	130	0.334	1000	2.20	3.80	200		gray;	**N/A**
11:00	8.55	5.02	122	0.326	786	1.19	3.80	250		sulfuric odor	**N/A**
11:05	8.64	5.07	116	0.316	332	0.52	3.83	250			**N**
11:10	8.60	5.01	116	0.329	220	0.12	3.85	250			**N**
11:15	8.60	4.93	116	0.351	177	0.00	3.84	200			**N**
11:20	8.59	4.85	117	0.372	160	0.00	3.85	200			**N**
11:25	8.63	4.77	117	0.399	149	0.00	3.85	200			**N**
11:30	8.71	4.71	117	0.421	131	0.00	3.81	200			**N**
11:35	8.65	4.66	118	0.442	129	0.00	3.81	200			**N**
11:40	8.79	4.61	118	0.465	125	0.00	3.79	225			**N**
11:45	8.80	4.57	118	0.500	118	0.00	3.85	225			**N**
11:50	8.81	4.52	118	0.520	108	0.00	3.82	225			**N**
11:55	8.78	4.47	119	0.543	92.8	0.00	3.83	225			**N**
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	23-30 Borden Ave	**Well No:**	LMW-51	**Water Quality Device Model:**	Horiba U-50	**Weather:**	36 F; clouds		LMW-51_20230201
Project Number:	100766601	**Well Depth:**	9.75	**Pine Number:**		**Background PID (ppm):**		**Sample(s):**	
Site Location:	23-30 Borden Ave	**Well Diameter:**	2"	**Pump Make and Model:**	D Bladder Pump 1.	**PID Beneath Inner Cap (ppm):**			
Sampling	Alessandra Looman	**Well Screen**		**Pine Number:**		**Pump Intake Depth:**	6.0	**Sample Date:**	2/1/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4"	**Depth to Water Before Purge:**	2.62	**Sample Time:**	14:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate mL/min (100-500 mL/min)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:25	7.88	4.53	102	0.485	1000	6.66	2.75	400		gray;	**N/A**
13:30	8.81	5.08	94	0.609	952	1.72	2.79	400		sulfuric odor	**N/A**
13:35										swap CO_2 tank	**N**
13:40	8.76	5.20	81	0.687	1000	1.11	2.74	450			**N**
13:45	8.94	5.23	66	0.718	704	0.34	2.74	400			**N**
13:50	8.95	5.21	59	0.766	440	0.02	2.73	400			**N**
13:55	8.95	5.14	54	0.779	291	0.00	2.74	400			**N**
14:00	8.96	5.12	53	0.775	262	0.00	2.73	400			**N**
14:05	9.02	5.06	52	0.773	215	0.00	2.73	400			**N**
14:10	9.01	5.02	53	0.790	167	0.00	2.74	400			**N**
14:15	9.02	5.00	52	0.784	145	0.00	2.73	400			**N**
14:20	8.98	4.98	52	0.784	122	0.00	2.72	400			**N**
14:25	8.96	4.96	51	0.776	105	0.00	2.73	400			**N**
											N
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Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

APPENDIX D

Safety Data Sheets and Technical Specifications

Patented *Injection Ready* 60% SRS®-SD Small Droplet Emulsified Vegetable Oil (EVO) Substrate for Maximum Radius of Influence

United States Patent #RE40,448

SAFETY DATA SHEET

1. Product Identification

Synonyms:	60% Small Droplet Slow Release Substrate (SRS®-SD) Emulsified Vegetable Oil Substrate (EVO)
Recommended Use:	Treatment of groundwater contaminated with chlorinated solvents and other anaerobically degradable compounds.
Supplier:	Terra Systems, Inc. 130 Hickman Road, Suite 1 Claymont, Delaware 19703 Telephone (302) 798-9553 Fax (302) 798-9554 www.terrasystems.net

2. Hazards Identification

Emergency Overview	
Caution:	May cause eye irritation.
Health Rating:	1 - Slight
Flammability Rating:	1 - Slight
Reactivity Rating:	1 - Slight
Contact Rating:	1 - Slight
Protective Equipment:	Goggles; Proper Gloves
Storage Color Code:	Green (General Storage)
Potential Health Effects	
Inhalation:	Not expected to be a health hazard. If heated, may produce vapors or mists that irritate the mucous membranes and cause irritation, dizziness, and nausea. Remove to fresh air.
Ingestion:	Not expected to be a health hazard via ingestion. Large doses may produce abdominal spasms or diarrhea.
Skin Contact:	No adverse effects expected. May cause irritation or sensitization in sensitive individuals.
Eye Contact:	May cause mild irritation, possible reddening.
Chronic Exposure:	No information found.
Aggravation of Pre-existing Conditions:	No information found.

3. Composition/Information on Ingredients

Ingredient	Synonyms	CAS #	Percent	Hazardous
Soy bean oil	Soya oil	8001-22-7	60%	No
Emulsifiers and proprietary nutrient package containing nitrogen, phosphorus and vitamin B_{12}		Mixture	7.5 - 10%	No
Sodium lactate	2-hydroxpropionic acid sodium salt	72-17-3	5.5%	Yes
Water		7732-18-5	Difference	No

The emulsifiers and nutrient package mixture is a trade secret and consists of ingredients of unknown acute toxicity.

4. First Aid Measures

Inhalation: Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact: Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

5. Fire Fighting Measures

Fire: Flash point: >200 C (>392 F). Not considered to be a fire hazard. Isolate from heat and open flame.

Explosion: Not considered to be an explosion hazard. Closed containers may explode if exposed to extreme heat.

Fire Extinguishing Media: Dry chemical, foam, or carbon dioxide. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Clean-up personnel may require protective clothing. Absorb in sand, paper towels, “Oil Dry”, or other inert material. Scoop up and containerize for disposal. Flush trace residues to sewer with soap and water. Containerized waste may be sent to an approved waste disposal facility.

7. Handling and Storage

Store in a cool, dry, ventilated area. Do not store in sunlight or above 32 C (90 F). Keep container tightly closed and upright when not in use to prevent leakage. Observe all warnings and precautions listed for the product. Protect against physical damage.

If container begins to bulge, open cap slowly to release carbon dioxide from biological activity on the SRS-SD and call TSI.

Containers of this material are not hazardous when empty since they do not contain vapors or harmful substances; if drum or tote is observed to bulge, keep cap off as pressurization can occur on empty container with caps in place unless container is thoroughly rinsed.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:	None established.
Ventilation System:	Not expected to require any special ventilation.
Personal Respirators (NIOSH Approved):	Not expected to require personal respirator usage.
Skin Protection:	Wear protective gloves and clean body-covering clothing.
Eye Protection:	Use chemical safety goggles and/or a full-face shield where splashing is possible. Provide readily accessible eye wash stations and safety showers.
Slips, Trips, and Falls:	Material is slippery when spilled. Clean up with sand, paper towels, “Oil Dry”, or other inert material.

9. Physical and Chemical Properties

Appearance:	White liquid.
Odor:	Vegetable oil.
Solubility:	Miscible in water.
Specific Gravity (water=1):	0.95-0.98. 8.09 pounds per gallon.
pH:	6-7 (40% aqueous solution)
% Volatiles by volume @ 21C (70F):	Negligible.
Boiling Point:	$\geq$ 100C ($\geq$ 212F)
Melting Point:	No information found.
Flash Point (F):	No information found.
Autoignition Temperature:	No information found.
Decomposition Temperature:	No information found.
Vapor Density (Air=1):	No information found.
Vapor Pressure (mm Hg):	< 1.0 @ 20C (68F).
Evaporation Rate (BuAc=1):	No information found.
Viscosity @23 C (73 F):	213 centipoises (1.2 centipoises diluted 1:10)
Partition Coefficient (octanol/water):	No information found.

10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Reactivity:	Not reactive under ordinary conditions.
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong oxidizers, acids.
Conditions to Avoid:	Incompatibles. Isolate from heat and open flame.

11. Toxicological Information

Soybean Oil:	No information found on toxicology. It is not a carcinogen listed by IARC, NTP, NIOSH, OSHA, or ACGIH.
Emulsifier/Nutrient Mixture:	No information found on toxicology. It is not a carcinogen listed by IARC, NTP, NIOSH, OSHA, or ACGIH.
Sodium Lactate:	Oral rat LD50: 2,000 mg/kg. 100 mg caused mild irritation to rabbit eye in Draize test. This compound is not listed as a carcinogen by IARC, NRP, NIOSH, OSHA, or ACGIM.
SRS-SD:	The toxicity of the mixture has not been measured.

12. Ecological Information

Environmental Fate:	No information found.
Environmental Toxicity:	No information found.
Degradability:	This product is completely biodegradable under both aerobic and anaerobic conditions.
Soil Mobility:	This compound will move with groundwater until the adsorbed onto the soil. Degradation products may be mobile.
Bioaccumulation Potential:	No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in Section 10.

TSCA STATUS: No component of this product is listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act): Not reportable.

SARA TITLE III (Superfund Amendments and Reauthorization Act)
Section 312 Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: Non-hazardous Under Section 311/312
Section 313 Toxic Chemicals: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California safe Drinking Water and Toxic Enforcement Act of 1986. The product contains no chemicals known to the State of California to cause cancer.

16. Other Information

NFPA Ratings:	Health: **1** Flammability: **1** Reactivity: **1**
Date Prepared:	September 11, 2019
Revision Information:	SDS Section(s) changed since last revision of document include: Updated Section 3 Composition/Information on Ingredients.
Disclaimer:	Terra Systems, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. TERRA SYSTEMS, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, TERRA SYSTEMS, INC. WILL NOT BE RESPONSIBLE FOR

DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Prepared by: Terra Systems, Inc.
Phone Number: (302) 798-9553 (U.S.A.)

Revision Date 6/23/2016

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Ferox Target zero valent iron powder

Brand : Hepure

CAS-No. : 7439-89-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Environmental remediation, water treatment, various

1.3 Details of the supplier of the safety data sheet

Company : Hepure Technologies, Inc.
63 Main Street, Suite 203B
Flemington, NJ 08822

Telephone : 877-727-4776

1.4 Emergency telephone number

Emergency Phone # : Chemtrec 800-424-9300 CCN234339

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Not classified as hazardous

2.2 GHS Label elements, including precautionary statements

Signal Word: not applicable
Hazard Statements: not applicable
Precautionary Statements: not applicable

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula: Fe
Molecular Weight: 55.85 g/mol
CAS-No.: 7439-89-6
EC-No.: 231-096-4

Carbon:	1.5 to 2%
Sulfur:	0.1%
Silicon :	1 to 1.5%
Phosphorus	0.1%
Iron:	Balance

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use Class D or other metal extinguishing agent.

5.2 Special hazards arising from the substance or mixture
These materials, as coarse particles, are non-flammable and do not react with water or other materials used for extinguishing fire. Fine metal dust may pose a risk of fire or explosion if accumulated, mixed and confined with an ignition source. When handling fine particles generated from this material, avoid creating dust clouds and ignition sources. May release iron oxide fume if involved in a fire.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Store under inert gas. Moisture sensitive. Keep in a dry place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Impermeable gloves, protective work clothing as necessary.

Respiratory Protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: powder
b)	Odor	no data available
c)	Odor Threshold	no data available
d)	pH	no data available
e)	Melting point/freezing point	Melting point/range: 1,535 °C (2,795 °F) - lit.
f)	Initial boiling point and boiling range	2,750 °C (4,982 °F) - lit.
g)	Flash point	no data available

h)	Evaporation rate	no data available
i)	Flammability (solid, gas)	not flammable as a course particle; fine metal dust may pose a risk of fire or explosion if accumulated, mixed and confined with an ignition source
j)	Upper/lower flammability or explosive limits	no data available
k)	Vapor pressure	no data available
l)	Vapor density	no data available
m)	Relative density	7.86 g/cm3 at 25 °C (77 °F)
n)	Water solubility	insoluble
o)	Partition coefficient: n-octanol/water	no data
p)	Auto-ignition temperature	available no
q)	Decomposition temperature	data available no data available
r)	Viscosity	no data available
s)	Explosive properties	no data available
t)	Oxidizing properties	no data available

9.2 Other safety information

Bulk density 2.3 gm/cm^3

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5 Incompatible materials
Acids, Oxygen, Strong oxidizing agents, Halogens, Phosphorus

10.6 Hazardous decomposition products
Other decomposition products - no data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - rat - 30,000 mg/kg
Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight

gain. Inhalation: no data available

Dermal: no data available

No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data

available No

data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: NO4565500

Overdose of iron compounds may have a corrosive effect on the gastrointestinal mucosa and be followed by necrosis, perforation, and stricture formation. Several hours may elapse before symptoms that can include epigastric pain, diarrhea, vomiting, nausea, and hematemesis occur. After apparent recovery a person may experience metabolic acidosis, convulsions, and coma hours or days later. Further complications may develop leading to acute liver necrosis that can result in death due to hepatic coma. Long term inhalation exposure to iron (oxide fume or dust) can cause siderosis. Siderosis is considered to be a benign pneumoconiosis and does not normally cause significant physiologic impairment. Siderosis can be observed on x-rays with the lungs having a mottled appearance.

12. ECOLOGICAL INFORMATION

Non-hazardous

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Product: Dispose of in accordance with Federal, State and Local regulations.
Packaging: Dispose of in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Shipping Regulations:	Not regulated
UN Number:	N/A
UN Proper Shipping Name:	N/A
Transport Hazard Class:	N/A
Packing Group:	N/A
Marine Pollutant:	No

15. REGULATORY INFORMATION

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components	CAS-No.	Revision Date
Iron, Powder	7439-89-6	

New Jersey Right To Know Components	CAS-No.	Revision Date
Iron, Powder	7439-89-6	

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hepure Technologies, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: 2.3 Revision Date: 6/23/2016

SAFETY DATA SHEET

Version 6.4
Revision Date 02/08/2022
Print Date 01/22/2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Sodium bicarbonate

Product Number : S5761
Brand : Sigma
CAS-No. : 144-55-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : Sodium hydrogen carbonate

Formula : $CHNaO_3$

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Molecular weight	:	84.01 g/mol
CAS-No.	:	144-55-8
EC-No.	:	205-633-8

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first-aid measures

If inhaled
After inhalation: fresh air.

In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact
After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed
After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Nature of decomposition products not known.
Not combustible.
Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters
In the event of fire, wear self-contained breathing apparatus.

5.4 Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
Tightly closed. Dry.

Storage class
Storage class (TRGS 510): 13: Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Change contaminated clothing. Wash hands after working with substance.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection
This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

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Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:KCL 741 Dermatril® L

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:KCL 741 Dermatril® L

Respiratory protection
required when dusts are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: powder Color: white
b)	Odor	odorless
c)	Odor Threshold	Not applicable
d)	pH	ca.8.6 at 50 g/l at 20 °C (68 °F)
e)	Melting point/freezing point	Melting point/range: 270 °C (518 °F)
f)	Initial boiling point and boiling range	Not applicable
g)	Flash point	()Not applicable
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	The product is not flammable. - Flammability (solids)
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	0.669 hPa at 20 °C (68 °F) - Regulation (EC) No. 440/2008, Annex, A.4
l)	Vapor density	No data available

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m)	Density	2.160 g/cm3
	Relative density	2.2220 °C - OECD Test Guideline 109
n)	Water solubility	93.4 g/l at 20 °C (68 °F) - OECD Test Guideline 105
o)	Partition coefficient: n-octanol/water	- Not applicable for inorganic substances
p)	Autoignition temperature	No data available
q)	Decomposition temperature	> 50 °C (> 122 °F) -
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	none

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions
Violent reactions possible with:
Alkali metals
acids
Generates dangerous gases or fumes in contact with:
ammonium compounds

10.4 Conditions to avoid
Exposure to moisture.
no information available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
In the event of fire: see section 5

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - male and female - > 4,000 mg/kg
(US-EPA)
LC50 Inhalation - Rat - male and female - 4.5 h - > 4.74 mg/l - dust/mist

(US-EPA)
Dermal: No data available

Skin corrosion/irritation
Skin - Rabbit
Result: slight irritation - 4 h
(US-EPA)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: slight irritation
(US-EPA)

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Additional Information

RTECS: VZ0950000
Exposure to large amounts can cause:, Gastrointestinal disturbance, Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

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Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	flow-through test LC50 - Lepomis macrochirus - 7,100 mg/l - 96 h (US-EPA)
Toxicity to daphnia and other aquatic invertebrates	flow-through test EC50 - Daphnia magna (Water flea) - 3,100 mg/l - 48 h (US-EPA)

12.2 Persistence and degradability
The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties
No data available

12.7 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

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Further information
Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

SARA 302 Components
This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

SECTION 16: Other information

Further information
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Version: 6.4 Revision Date: 02/08/2022 Print Date: 01/22/2023

The life science business of Merck KGaA, Darmstadt, Germany
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Diammonium Phosphate
SAFETY DATA SHEET

Effective Date: 01-01-2018

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1. Product Identification

Synonyms:	Diammonium Phosphate, Ammonium Phosphate Dibasic
Recommended Use:	Treatment of groundwater contaminated with chlorinated solvents and other anaerobically degradable compounds.
Supplier:	Terra Systems, Inc. 130 Hickman Road, Suite 1 Claymont, Delaware 19703 Telephone (302) 798-9553 Fax (302) 798-9554 www.terrasystems.net

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2. Hazards Identification

Emergency Overview	
Caution:	May cause eye and skin irritation. Acute aquatic toxicity.
Health Rating:	2 - Moderate
Flammability Rating:	0 - None
Reactivity Rating:	0 - None
Contact Rating:	2 - Moderate
Protective Equipment:	Goggles; Proper Gloves
Storage Color Code:	Orange (General Storage)
Potential Health Effects	
Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin Contact:	Causes skin irritation.
Eye Contact:	Causes eye irritation.
Chronic Exposure:	No information found No adverse effects expected
Aggravation of Pre-existing Conditions:	No information found

3. Composition/Information on Ingredients

Ingredient	CAS#	Percent	Hazardous
Diammonium Phosphate	7783-28-0	100	Yes

Molecular Weight: 132.1
Chemical Formula: $(NH_4)_2PO_4$

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: If swallowed, give water to rinse mouth and get medical advice.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Hazardous Combustion Products: Hazardous decomposition products formed under fire conditions – nitrogen oxides and phosphorus oxides.

6. Accidental Release Measures

Clean-up personnel should wear protective clothing and gloves. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Scoop up and containerize for disposal. Discharge into environment should be avoided. Containerized waste may be sent to an approved waste disposal facility.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid long storage times. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide adequate exhaust ventilation where dust is formed. Containers of this material may be hazardous when empty since they do retain product residues (vapors, liquid). Observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:	None established.
Ventilation System:	Not expected to require any special ventilation.
Personal Respirators (NIOSH Approved):	For nuisance exposures, use type P95 particle respirator. For higher level protection use type OV/AG/P99 respirator cartridges.
Skin Protection:	Wear protective nitrile rubber gloves (at least 0.11 mm thick) and clean impervious body-covering clothing.
Eye Protection:	Use chemical safety goggles and/or a full face shield where splashing is possible. Provide readily accessible eye wash stations and safety showers.

9. Physical and Chemical Properties

Appearance:	White crystalline.
Odor:	Ammonia.
Solubility:	About 132 g/L at 20 C (68 F)
Specific Gravity (water=1):	1.62 g/cm^3
pH:	7.5-9.0 at 132 g/L at 25 C (77 F)
% Volatiles by volume @ 21C (70F):	No information found.
Boiling Point:	No data available
Melting Point:	155 C (311 F)
Flash Point (F):	No information found.
Autoignition Temperature:	No information found
Decomposition Temperature:	No information found.
Vapor Density (Air=1):	No information found.
Vapor Pressure (mm Hg):	No information found.
Evaporation Rate (BuAc=1):	No information found.
Viscosity @23 C (73 F):	No information found.
Partition Coefficient (octanol/water):	No information found

Terra Systems, Inc.
130 Hickman Road, Suite 1, Claymont, Delaware 19703
Contact: Michael Free, VP, Sales and Marketing
Office: 302-798-9553; Cell: 484-889-2214 Email: mfree@terrasystems.net

10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Reactivity:	Not reactive under ordinary conditions.
Hazardous Decomposition Products:	Nitrogen oxides and oxides of phosphorus may form when heated to decomposition.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Avoid strong oxidizing agents, strong acids, strong bases, and magnesium.
Conditions to Avoid:	Incompatibles. Isolate from heat and open flame.

11. Toxicological Information

Acute Toxicity:	Oral LD50 rat 6,500 mg/lg Inhalation LC50 – no data available Dermal LD50 – rabbit 7,950 mg/kg
Chronic Toxicity:	Carcinogenicity – no component of this product present at levels greater than 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA. Reproductive toxicity – no data available. Teratogenicity – no data available.

12. Ecological Information

Environmental Fate:	Mobile with water and biodegradable.
Environmental Toxicity:	Toxic to fish. LC50 *Oncorhynhus mykiss* (rainbow trout) 26.5 mg/L – 96 hr. LC50 *Pimephales promelas* (fathead minnow) 33 mg/L -96 hr.
Degradability:	No information is available.
Soil Mobility:	No information is available.
Bioaccumulation Potential:	No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Non-hazardous - not regulated.

15. Regulatory Information

This product is considered an irritant by the U. S. Occupational Safety and Health Administration's Hazard Communication Standard.

16. Other Information

NFPA Ratings:	Health: **2** Flammability: **0** Reactivity: **0**
Date Prepared:	January 1, 2018
Revision Information:	SDS Section(s) changed since last revision of document include: None.
Disclaimer:	Terra Systems, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. TERRA SYSTEMS, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, TERRA SYSTEMS, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.
Prepared by:	Terra Systems, Inc.
Phone Number:	(302) 798-9553 (U.S.A.)

Terra Systems, Inc.
130 Hickman Road, Suite 1, Claymont, Delaware 19703
Contact: Michael Free, VP, Sales and Marketing
Office: 302-798-9553; Cell: 484-889-2214 Email: mfree@terrasystems.net

TERRA SYSTEMS, INC DECHLORINATING BIOAUGMENTATION CULTURE (TSI-DC) SAFETY DATA SHEET

1. Product Identification

Synonyms: *Dehalococcoides* or DHC Microbial Consortium (TSI-DC)

Recommended Use: Bioremediation of groundwater and soil contaminated with chlorinated solvents such as tetrachloroethene and trichloroethene.

Supplier:
Terra Systems, Inc.
130 Hickman Road, Suite 1
Claymont, Delaware 19703
Telephone (302) 798-9553
Fax (302) 798-9554
www.terrasystems.net

2. Hazards Identification

The available data indicates no known hazards associated with exposure to this product. Nevertheless, individuals who are allergic to enzymes or other related proteins should avoid exposure and handling. Health effects associated with exposure to similar organisms are listed below.

Emergency Overview

Caution: May cause eye irritation or discomfort if ingested or inhaled or allergic reaction to sensitive individuals.

Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 1 - Slight

Protective Equipment: Goggles; Proper Gloves

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation: Not expected to be a health hazard. Hypersensitive individuals may experience breathing difficulties after inhalation of aerosols.

Ingestion: Not expected to be a health hazard via ingestion. Ingestion of large quantities may result in abdominal discomfort including nausea, vomiting, cramps, diarrhea, and fever.

Skin Contact: No adverse effects expected. May cause irritation or sensitization in sensitive individuals upon prolonged contact.

Eye Contact: May cause mild irritation, possible reddening unless immediately rinsed.

Chronic Exposure: No information found.
Aggravation of Pre-existing Conditions: No information found.

3. Composition/Information on Ingredients

Ingredient	Synonyms	CAS #	Percent	Hazardous
Non-hazardous ingredients	DHC	Not applicable	100%	No

4. First Aid Measures

Inhalation: Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty or if allergic symptoms develop.

Ingestion: Thoroughly rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. Never give anything by mouth to an unconscious or convulsing person.

Skin Contact: Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Note to Physicians: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this material may have occurred.

5. Fire Fighting Measures

Fire: Non-flammable. Flash point and flammable limits are not available.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Dry chemical, foam, carbon dioxide, or water.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Clean-up personnel may require protective clothing and avoid skin contact. Absorb in sand, paper towels, or other inert material. Scoop up and containerize for disposal. Flush trace residues to sewer with soap and water. Containerized waste may be sent to an approved waste disposal facility. After clean-up, disinfect all cleaning materials and storage containers that come in contact with the spilled liquid.

7. Handling and Storage

Avoid breathing breathe aerosol. Avoid contact with skin. Use personal protective equipment recommended in Section 8. Keep containers tightly closed in a cool, well-ventilated area. The DHC microbial consortium (TSI-DC) can be supplied in stainless steel kegs designed for maximum working pressure of 130 psi and equipped with pressure relief valves. The kegs are pressurized with nitrogen gas up to the pressure of 15 psi. Do not exceed pressure of 15 psi during transfer of DHC microbial consortium (TSI-DC) from kegs. Don't open keg if content of the keg is under pressure. DHC microbial consortium (TSI-DC) may be stored for up to 3 weeks at temperature 2-4°C without aeration. Avoid freezing.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:	None established.
Ventilation System:	Not expected to require any special ventilation. Provide adequate ventilation to remove odors.
Personal Respirators (NIOSH Approved):	Not expected to require personal respirator usage. If aerosols might be generated, use N95 respirator.
Skin Protection:	Wear protective rubber, nitrile, or vinyl gloves and clean body-covering clothing.
Eye Protection:	Use chemical safety goggles and/or a full face shield where splashing is possible. Provide readily accessible eye wash stations and safety showers.

9. Physical and Chemical Properties

Appearance:	Light greenish, murky liquid.
Odor:	Musty.
Solubility:	Soluble in water.
Specific Gravity (water=1):	1.0. 8.34 pounds per gallon.
pH:	6-8
% Volatiles by volume @ 21C (70F):	Negligible.
Boiling Point:	100C (212F)
Melting Point:	0C (32F)
Flash Point (F):	No information found.
Autoignition Temperature:	No information found.
Decomposition Temperature:	No information found.
Vapor Density (Air=1):	No information found.
Vapor Pressure (mm Hg):	24 mm @ 25C (77F).
Evaporation Rate (BuAc=1):	No information found.
Viscosity @23 C (73 F):	1 centipoises

Partition Coefficient (octanol/water): No information found.

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.
Reactivity: Not reactive under ordinary conditions.
Hazardous Decomposition Products: None.
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizers, acids, water reactive materials.
Conditions to Avoid: Incompatibles. Isolate from heat and open flame.

11. Toxicological Information

TSI-DC No information found on toxicology. It is not a carcinogen listed by IARC, NTP, NIOSH, OSHA, or ACGIH. It has tested negative for pathogenic microorganisms such as *Bacillus cereus, Listeria monocytogens, Salmonella* sp., *Pseudomonas* sp., fecal coliform, total coliform, yeast, and mold.

12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.
Degradability: This product is completely biodegradable under both aerobic and anaerobic conditions.
Soil Mobility: This compound will move with groundwater until the adsorbed onto the soil.
Bioaccumulation Potential: No information found.

13. Disposal Considerations

Waste Disposal Method: No special disposal methods are required. The material is compatible with all known biological treatment methods. To reduce odors and permanently inactivate microorganisms, mix 100 parts (by volume) of TSI-DC consortium with 1 part (by volume) of bleach. Dispose of in accordance with local, state and federal regulations.

14. Transport Information

DOT Classification: N/A
Labeling: NA
Shipping Name: Not regulated

15. Regulatory Information

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: No component of this product is listed on the TSCA inventory.
CERCLA (Comprehensive Response Compensation, and Liability Act): Not reportable.

SARA TITLE III (Superfund Amendments and Reauthorization Act)
Section 312 Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: Non-hazardous Under Section 311/312
Section 313 Toxic Chemicals: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California safe Drinking Water and Toxic Enforcement Act of 1986. The product contains no chemicals known to the State of California to cause cancer.

16. Other Information

NFPA Ratings:	Health: **1** Flammability: **0** Reactivity: **0**
Date Prepared:	March 26, 2014
Revision Information:	SDS Section(s) changed since last revision of document include: None.
Disclaimer:	Terra Systems, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. TERRA SYSTEMS, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, TERRA SYSTEMS, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.
Prepared by:	Terra Systems, Inc.
Phone Number:	(302) 798-9553 (U.S.A.)

Yeast, Extract

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name : **Yeast, Extract**

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: **S25631**

Recommended uses of the product and uses restrictions on use:

Manufacturer Details:

AquaPhoenix Scientific
9 Barnhart Drive, Hanover, PA 17331

Supplier Details:

Fisher Science Education
15 Jet View Drive, Rochester, NY 14624

Emergency telephone number:

Fisher Science Education Emergency Telephone No.: 800-535-5053

SECTION 2 : Hazards identification

Classification of the substance or mixture:

Not classified for physical or health hazards under GHS.
Hazards Not Otherwise Classified - Combustible Dust

Hazard statements:
Precautionary statements:
If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Do not eat, drink or smoke when using this product

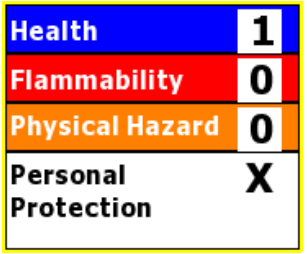
GHS:
Not a hazardous substance or mixture according to Regulation.
Combustible Dust Hazard: :
May form combustible dust concentrations in air (during processing).

Other Non-GHS Classification:

WHMIS
NFPA/HMIS



NFPA SCALE (0-4)



HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 68876-77-7	Yeast, Extract	100 %
		Percentages are by weight

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position.Seek medical advice if discomfort or irritation persists.If breathing difficult, give oxygen.

After skin contact: Wash affected area with soap and water. Rinse/flush exposed skin gently using water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

After eye contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

Most important symptoms and effects, both acute and delayed:

Irritation, Nausea,Headache, Shortness of breath.;

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention, provide SDS document to physician.

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

For safety reasons unsuitable extinguishing agents:

Special hazards arising from the substance or mixture:

Combustion products may include carbon oxides or other toxic vapors.Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters:

Protective equipment: Use NIOSH-approved respiratory protection/breathing apparatus.

Additional information (precautions): Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Transfer to a disposal or recovery container.Ensure adequate ventilation.Protect from heat.Contain spilled material by diking or using inert absorbent.

Environmental precautions:

Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13

Methods and material for containment and cleaning up:

If in a laboratory setting, follow Chemical Hygiene Plan procedures.Place into properly labeled containers for recovery or disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect

solids in powder form using vacuum with (HEPA filter)

Reference to other sections:

SECTION 7 : Handling and storage

Precautions for safe handling:

Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Minimize dust generation and accumulation. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. Use only in well ventilated areas.

Conditions for safe storage, including any incompatibilities:

Store with like hazards. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store in cool, dry conditions in well sealed containers.

SECTION 8 : Exposure controls/personal protection





Control Parameters:	, , OSHA PEL TWA (Total Dust) 15 mg/m3 (50 mppcf*) , , ACGIH TLV TWA (inhalable particles) 10 mg/m3
Appropriate Engineering controls:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling.Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable) below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.Use under a fume hood. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).
Respiratory protection:	Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. For spills, respiratory protection may be advisable.
Protection of skin:	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation being used/handled.Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Eye protection:	Safety glasses with side shields or goggles.
General hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

SECTION 9 : Physical and chemical properties

Yeast, Extract

Appearance (physical state,color):	Yellow - white to yellow - orange solid	**Explosion limit lower**: **Explosion limit upper**:	Not Determined Not Determined
Odor:	Characteristic odor	**Vapor pressure**:	Not Determined
Odor threshold:	Not Determined	**Vapor density**:	Not Determined
pH-value:	Not Determined	**Relative density**:	Not Determined
Melting/Freezing point:	Not Determined	**Solubilities**:	20% in water
Boiling point/Boiling range:	Not Determined	**Partition coefficient (n-octanol/water)**:	Not Determined
Flash point (closed cup):	Not Determined	**Auto/Self-ignition temperature**:	Not Determined
Evaporation rate:	Not Determined	**Decomposition temperature**:	Not Determined
Flammability (solid,gaseous):	Not Determined	**Viscosity**:	a. Kinematic:Not Determined b. Dynamic: Not Determined
Density: Not Determined **Yeast:**Molecular Weight: No Information Available			

SECTION 10 : Stability and reactivity

Reactivity:
Chemical stability: No decomposition if used and stored according to specifications.
Possible hazardous reactions:
Conditions to avoid: Avoid dust, incompatible products, excess heat.
Incompatible materials: Strong oxidizers
Hazardous decomposition products:

SECTION 11 : Toxicological information

Acute Toxicity: No additional information.	
Chronic Toxicity: No additional information.	
Corrosion Irritation: No additional information.	
Sensitization:	No additional information.
Single Target Organ (STOT):	No additional information.
Numerical Measures:	No additional information.
Carcinogenicity:	No additional information.
Mutagenicity:	No additional information.
Reproductive Toxicity:	No additional information.

SECTION 12 : Ecological information

Ecotoxicity Persistence and degradability: Readily degradable in the environment.
Bioaccumulative potential:
Mobility in soil:
Other adverse effects:

SECTION 13 : Disposal considerations

Waste disposal recommendations:

Do not allow product to reach sewage system or open water.It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Consult federal state/ provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

SECTION 14 : Transport information

UN-Number

Not Dangerous Goods

UN proper shipping name

Not Dangerous Goods

Transport hazard class(es)
Packing group:Not Dangerous Goods
Environmental hazard:
Transport in bulk:
Special precautions for user:

SECTION 15 : Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

None of the ingredients is listed

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

68876-77-7 Yeast, Extract - This chemical is exempt from reporting under the inventory update rule

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients is listed

SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.Note:. The responsibility to provide a safe workplace remains with the user.The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.The information contained herein is, to the best of our knowledge and belief, accurate.However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material.It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS Full Text Phrases:

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
PNEC: Predicted No-Effect Concentration (REACH)
CFR: Code of Federal Regulations (USA)
SARA: Superfund Amendments and Reauthorization Act (USA)
RCRA: Resource Conservation and Recovery Act (USA)
TSCA: Toxic Substances Control Act (USA)
NPRI: National Pollutant Release Inventory (Canada)
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)

Effective date : 01.19.2015
Last updated : 03.19.2015

APPENDIX E

Reagent Tracking Log

Reagent Tracking Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date	Time	EZVI Mix Total Totes		Bioaugmentation Culture Kegs		Sodium Bicarbonate Bags	Notes
		VC area	TCA Area	VC area	TCA Area		
7/13/2022	16:00	240gal	-	7.5L	-	3.5	Used batch 2 of anaerobic water.
7/14/2022	16:30	234gal	-	7.5L	-	3	Used batch 1 of anaerobic water.
7/15/2022	15:30	320gal	-	9.0L	-	3.5	Used batch 4 and 1/4 of batch 5 of anaerobic water. 10 batches sodium ascorbate total in VC area.
7/18/2022	17:00	-	406gal	-	9.0L	1	Finished batch 5, used 1/2 batch 6 of anaerobic water.
7/19/2022	16:00	-	634gal	-	15L	1	Finished batch 6, used 2/5th batch 7 anaerobic water.
7/27/2022	16:20	-	615gal	-	15L	1	Finished batch
7/28/2022	16:50	-	793gal	-	18L	1	Finished batch

Notes:
gal - gallons
L - liters
The total volume of reagents used each day are recorded.
The sodium ascorbate bags are 50 lbs per bag.
Sodium ascorbate was used in 0.3lb batches.

APPENDIX F

Injection System Log

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/13/2022

Injection Start Time: 11:50

Langan Crew: Sam Haines, Aroona Boodram, Dan Horvath

Injection End Time: 16:30

Start Time	Injection Location	Injection Interval (ft bgs)	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
10:13	IP-05	10.7-12.7	2.5	50	35**	0.5	15	50	No bicarb	**Lines and pump needed to be primed. Extra volume used to account for this.
10:25	IP-05	8.7-10.7	1.5	0*	15	0.5	20	35	22	
10:40	IP-05	7.7-8.7	3	0	8	0.5	20	28	10	
11:14	IP-04	9.7-11.7	3	0	17	0.5	15	32	10	
11:28	IP-04	7.7-9.7	3	0	15	0.5	15	30	10	Anaerobic water tote observed to be leaking.
11:42	IP-04	6.7-7.7	3	0	15	0.5	15	30	10	
13:09	IP-01	11.6-13.6	3	0	17	0.5	10	27	10	
13:23	IP-01	9.6-11.6	6	0	16	0.5	21	37	10	
13:35	IP-01	8.6-9.6	10	0	12	0.5	9	21	10	
14:15	IP-03	9.6-11.6	6	0	14	0.5	12	26	10	
14:36	IP-03	7.6-9.6	6	0	24	0.5	16	40	10	
14:50	IP-03	6.6-7.6	6	0	12	0.5	13	25	10	
15:31	IP-11	10.8-12.8	6	0	11	0.5	13	24	10	
15:49	IP-11	8.8-10.8	6	0	14	0.5	19	33	10	
16:01	IP-11	7.8-8.8	6	0	13	0.5	21	34	10	

Notes, Comments, Observations: *Pressure gauge at injection manifold rated for 5000psi on 7/13/22. Likely not sensitive enough to record low injection pressures below 50psi. The flowrate was estimated based on the injection time and reagent volume changes.

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/14/2022 **Injection Start Time:** 8:30

Langan Crew: Sam Haines, Dan Horvath **Injection End Time:** 15:30

Time	Injection Location	Injection Interval	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
12:00	IP-02	10 - 12.0	12	50 - 150	16.5	0.5	10	26.6	10	
12:03 - 12:09	IP-02	8 - 10	3	150	13.5	0.5	14	27.6	10	
12:14 - 12:21	IP-02	7 - 8	6	100	19	0.5	10	29.1	10	
12:52 - 12:57	IP-10	10 - 12.0	5	125	15	0.5	15	30.1	10	
13:02 - 13:09	IP-10	8 - 10	5	75	17	0.5	14	31.1	10	
13:14 - 13:20	IP-10	7 - 8	8	100	18	0.5	26	44.1	10	
13:42 - 13:48	IP-08	10.2 - 12.2	6	60	12	0.5	14	26.1	10	
14:00	IP-08	8.2 - 10.2	7	100	13	0.5	15	28.1	10	
14:25 - 14:29	IP-08	7.2 - 8.2	7	100	15	0.5	25	40.1	10	
14:45	IP-06	10.75 - 12.75	7	225	20	0.5	15	35.1	10	
15:00 - 15:07	IP-06	8.75 - 10.75	7	125	15	0.5	15	30.1	10	
15:14	IP-06	7.75 - 8.75	7	140	15	0.5	20	35.1	10	
15:48 - 15:51	IP-09	10.0 - 12.0	7	100	12.5	0.5	28	40.6	10	
16:00	IP-09	8.0 - 10.0	10	125	22.5	0.5	20	42.6	10	
16:17	IP-09	7.0 - 8.0	10	100	10	0.5	22	32.1	10	

Notes, Comments, Observations: Pressure gauge at injection manifold rated for 300 psi on 7/14/22. Time column refers to total time for mix and chase. Anaerobic Water Volume Injected column included 5gal added to mix, water used for mix wash out, and chase water. The flowrate was estimated based on the injection time and reagent volume changes.

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/15/2022 **Injection Start Time:** 9:00

Langan Crew: Sam Haines, Dan Horvath **Injection End Time:** 15:30

Time	Injection Location	Injection Interval	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
9:13 - 9:15	IP-07	10.0 - 12.0	25	200	25	0.5	13	38.1	10	
9:25	IP-07	8.0 - 10.0	7	175	10	0.5	12	22.1	10	
9:51	IP-07	7.0 - 8.0	7	150	18	0.5	18	36.1	10	
10:16 - 10:19	IP-12	10.25 - 12.25	7	150	15	0.5	22	37.1	10	
10:28	IP-12	1.25 - 10.25	7	150	15	0.5	20	35.1	10	
10:41	IP-12	7.25 - 8.25	7	110	15	0.5	20	35.1	10	
11:06	IP-14	12.0 - 14.0	7	100	15	0.5	20	35.1	10	
11:21 - 11:26	IP-14	10.0 - 12.0	7	75 - 150	15	0.5	20	35.1	10	
11:34 - 11:37	IP-14	9.0 - 10.0	7	100 - 150	16	0.5	20	36.1	10	
12:48	IP-16	12.0 - 14.0	7	100 (spike 200)	15	0.5	18	33.1	10	
12:58	IP-16	10.0 - 12.0	7	100	15	0.5	18	33.1	10	
13:31	IP-16	9.0 - 10.0	7	150	16	0.5	20	36.1	10	
13:48 - 13:50	IP-13	12.0 - 14.0	7	225	30	0.5	20	50.1	10	
14:05 - 14:12	IP-13	10.0 - 12.0	7	225-250	24	0.5	20	44.1	10	
14:20	IP-13	9.0 - 10.0	7	200	17	0.5	13	30.1	10	
14:39	IP-15	12.0 - 14.0	7	175	20	0.5	17	37.1	10	
14:59 - 15:04	IP-15	10.0 - 12.0	7	150	22	0.5	17	39.1	10	
15:17 - 15:22	IP-15	9.0 - 10.0	7	175	17	0.5	17	34.1	10	

Notes, Comments, Observations: Pressure gauge at injection manifold rated for 300 psi on 7/14/22. Time column refers to total time for mix and chase. Anaerobic Water Volume Injected column included 5gal added to mix, water used for mix wash out, and chase water. The flowrate was estimated based on the injection time and reagent volume changes.

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/18/2022

Injection Start Time: 11:00

Langan Crew: Sam Haines, Dan Horvath

Injection End Time: 16:30

Time	Injection Location	Injection Interval	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
11:15	IP-49	17.9 - 19.9	7	150 - 300	45	1.0	15	60.2	3.5	
11:44	IP-49	15.9 - 17.9	7	180 - 200	43	1.0	30	73.2	3.5	
12:07	IP-49	14.9 - 15.9	7	125 - 200	43	1.0	30	73.2	3.5	
14:08	IP-36	14.75 - 16.75	7	300 - 225	45	1.0	14	59.2	3.5	
14:35	IP-36	12.75 - 14.75	7	300 - 250	45	1.0	14	59.2	3.5	
14:41	IP-36	11.75 - 12.75	7	175 - 300	45	1.0	15	60.2	3.5	
15:58	IP-38	13.75 - 15.75	7	300	45	1.0	12	57.2	3.5	
16:04	IP-38	11.75 - 13.75	7	300	40	1.0	10	50.2	3.5	
16:17	IP-38	10.75 - 11.75	7	150 - 300	55	1.0	15	70.2	3.5	

Notes, Comments, Observations: Pressure gauge at injection manifold rated for 300 psi on 7/14/22. Time column refers to total time for mix and chase. Anaerobic Water Volume Injected column included 5gal added to mix, water used for mix wash out, and chase water. The flowrate was estimated based on the injection time and reagent volume changes.

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/19/2022

Injection Start Time: 8:30

Langan Crew: Sam Haines, Dan Horvath

Injection End Time: 15:30

Time	Injection Location	Injection Interval	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
8:42	IP-37	12.5 - 14.5	7	300 - 175	43	1.0	15	58.2	3.5	
9:10	IP-37	10.5 - 12.5	7	225	42	1.0	15	57.2	3.5	
9:35	IP-37	9.5 - 10.5	7	210	45	1.0	17	62.2	3.5	
10:56 - 11:03	IP-45	11.7 - 13.7	7	300	43	1.0	20	63.2	3.5	
11:08 - 11:18	IP-45	9.7 - 11.7	7	150 - 300	42	1.0	20	62.2	3.5	
11:24	IP-45	8.7 - 9.7	7	105	40	1.0	20	60.2	3.5	
12:34	IP-46	12.0 - 14.0	7	225 - 205	43	1.0	10	53.2	3.5	
12:51	IP-46	10.0 - 12.0	7	225	43	1.0	20	63.2	3.5	
13:00	IP-46	9.0 - 10.0	5	75	39	1.0	15	54.2	3.5	
13:38 - 13:45	IP-44	13.75 - 15.75	7	300	42	1.0	15	57.2	3.5	
13:55 - 14:00	IP-44	11.75 - 13.75	7	225	48	1.0	15	63.2	3.5	
14:05 - 14:14	IP-44	10.75 - 11.75	7	150	40	1.0	20	60.2	3.5	
14:31 - 14:38	IP-39	13.7 - 15.7	7	300	42	1.0	15	57.2	3.5	
14:45 - 14:53	IP-39	11.7 - 13.7	7	200 - 300	42	1.0	15	57.2	3.5	
15:03 - 15:10	IP-39	10.7 - 11.7	7	300 - 250	40	1.0	15	55.2	3.5	

Notes, Comments, Observations: Pressure gauge at injection manifold rated for 300 psi on 7/14/22. Time column refers to total time for mix and chase. Anaerobic Water Volume Injected column included 5gal added to mix, water used for mix wash out, and chase water. The flowrate was estimated based on the injection time and reagent volume changes.

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/27/2022 **Injection Start Time:** 9:30

Langan Crew: Sam Haines, Dan Horvath **Injection End Time:** 17:00

Time	Injection Location	Injection Interval	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
9:25	IP-29	13.6-15.6	7	160	35	1.0	10	45.2	3.5	
9:42	IP-29	11.6-13.6	7	300+	45	1.0	10	55.2	3.5	
10:15	IP-29	10.6-11.6	7	300+	45	1.0	20	65.2	3.5	
10:54	IP-28	12.9 - 14.9	7	300	43	1.0	10	53.2	3.5	
11:09	IP-28	10.9 - 12.9	7	300	42	1.0	22	64.2	3.5	
11:49	IP-28	9.9 - 10.9	7	300	45	1.0	10	55.2	3.5	
12:50	IP-51	13.25 - 15.25	7	300+	45	1.0	10	55.2	3.5	
12:58	IP-51	11.25 - 13.25	7	300+	45	1.0	10	55.2	3.5	
13:10	IP-51	10.25 - 11.25	7	300	40	1.0	20	60.2	3.5	
13:36	IP-19	13.75 - 15.75	7	150	40	1.0	10	50.2	3.5	
13:48	IP-19	11.75 - 13.75	7	300	40	1.0	10	50.2	3.5	
14:33	IP-19	10.75 - 11.75	7	250	40	1.0	20	60.2	3.5	
14:58	IP-18	13.7 - 15.7	7	200	20	1.0	20	40.2	3.5	
15:15	IP-18	11.7 - 13.7	7	150	45	1.0	60	105.2	3.5	Using diluted EZVI tote
15:26	IP-18	10.7 - 11.7	7	150	45	1.0	60	105.2	3.5	Using diluted EZVI tote

Notes, Comments, Observations: Pressure gauge at injection manifold rated for 300 psi on 7/14/22. Time column refers to total time for mix and chase. Anaerobic Water Volume Injected column included 5gal added to mix, water used for mix wash out, and chase water. The flowrate was estimated based on the injection time and reagent volume changes.

Injection System Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date: 7/28/2022

Injection Start Time: 9:00

Langan Crew: Sam Haines, Dan Horvath

Injection End Time: 15:30

Time	Injection Location	Injection Interval	Flow Rate (GPM)	Injection Pressure (psi)	Undiluted EZVI Mix Volume (gallons)	Culture Volume (liters)	Anaerobic Water Volume Injected (gallons)	Total Volume Injected (gallons)	Sodium Bicarbonate Added (lbs)	Notes
9:12	IP-50	13.9 - 15.9	7	200 - 250	55	1.0	5	60.2	3.5	
9:58	IP-50	11.9 - 13.9	7	300	55	1.0	11	66.2	3.5	
10:08	IP-50	10.9 - 11.9	7	200 - 250	55	1.0	44	99.2	3.5	
10:40	IP-42	13.5 - 15.5	7	250	55	1.0	22	77.2	3.5	
11:00	IP-42	11.5 - 13.5	7	300+	60	1.0	35	95.2	3.5	
11:29	IP-42	10.5 - 11.5	7	300	25	1.0	10	35.2	3.5	
11:52	IP-48	18.75 - 20.75	7	100 - 125	55	1.0	20	75.2	3.5	
12:10	IP-48	16.75 - 18.75	7	250	53	1.0	20	73.2	3.5	
12:20	IP-48	15.75 - 16.75	7	200	53	1.0	20	73.2	3.5	
13:11	IP-43	13.75 - 15.75	7	250 - 300+	53	1.0	20	73.2	3.5	
13:37	IP-43	11.75 - 13.75	7	250 - 300	55	1.0	20	75.2	3.5	
13:50	IP-43	10.75 - 11.75	7	250	53	1.0	20	73.2	3.5	
14:19	IP-47	13.75 - 15.75	7	300	53	1.0	20	73.2	3.5	
14:40	IP-47	11.75 - 13.75	7	250	55	1.0	20	75.2	3.5	
15:00	IP-47	10.75 - 11.75	7	200	58	1.0	20	78.2	3.5	

Notes, Comments, Observations: Pressure gauge at injection manifold rated for 300 psi on 7/14/22. Time column refers to total time for mix and chase. Anaerobic Water Volume Injected column included 5gal added to mix, water used for mix wash out, and chase water. The flowrate was estimated based on the injection time and reagent volume changes.

APPENDIX G

Field Groundwater Quality Monitoring During Injections

LANGAN

Groundwater Quality Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date	Time	Monitoring Well	DTW Level	Groundwater Quality Parameters (Horiba U-22)						Notes
				pH	Temperature	Conductivity	ORP	Turbidity	DO	
	hh:mm		ft bgs	S.U.	°C	mS/cm	mV	NTU	mg/L	
7/13/2022	8:00	LMW-35	5.85	7.48	21.02	2.66	58	1000+	1.23	PID 0.0, Dark gray silt
7/13/2022	8:22	LMW-37	6.18	7.12	21.26	2.44	40	710	2.2	PID 0.0, Dark gray silt
7/13/2022	8:34	LMW-36	6.18	6.88	19.91	2.47	35	1000+	0.58	PID 0.0, Dark gray silt
7/13/2022	10:30	LMW-35	5.85	7.01	21.08	2.63	9	1000+	0.51	PID 0.0, Dark gray silt
7/13/2022	10:50	LMW-37	6.18	7.11	23.01	2.39	52.0	351.0	1.44	PID 0.6, Gray silt
7/13/2022	11:20	LMW-39	7.85	6.81	22.7	2.82	12.0	172.0	0.88	PID 10.5, LNAPL
7/13/2022	11:36	LMW-38	7.90	6.92	23.1	2.78	-73	64.4	0.8	PID 29.2, LNAPL
7/13/2022	13:00	LMW-35	5.85	7.16	23.59	2.5	-26	1000+	0.62	PID 0.0, Light gray silt
7/13/2022	13:30	LMW-37	6.18	7.16	23.7	2.44	-22	196	0.77	PID 0.0, Light gray silt
7/13/2022	13:45	LMW-36	6.19	6.87	21.52	2.51	-1	260	0.88	PID 0.0, Light gray silt
7/13/2022	14:40	LMW-37	6.15	7.00	21.21	2.49	-35	878	1.13	PID 0.0, Light gray silt
7/14/2022	8:15	LMW-35	5.85	6.85	23.63	2.21	-2	106	1.02	PID 0.1, clear/some milkiness
7/14/2022	8:30	LMW-37	6.16	7.03	20.58	2.46	-217	0	0.75	PID 0.4, milky
7/14/2022	8:50	LMW-36	6.19	6.81	20.75	2.44	-12	82.5	1.01	PID 0.0, clear/some milkiness
7/14/2022	9:15	LMW-38	7.85	-	-	-	-	-	-	PID 40.3, Product (LNAPL, DNAPL)
7/14/2022	11:00	LMW-39	7.80	6.81	25.25	2.44	53	181	1.26	PID 90.2, NAPL
7/14/2022	12:15	LMW-37	6.16	7.06	24.51	2.33	-249	0	0.40	PID 2.9, cloudy
7/14/2022	12:25	LMW-36	6.18	6.75	22.65	2.36	3	187	0.47	PID 0.0, some cloudiness, slight EZVI odor
7/14/2022	13:05	LMW-35	5.85	7.00	24.51	2.29	94	75.7	1.22	PID 0.0, clear
7/14/2022	15:10	LMW-36	6.18	6.76	25.70	2.22	25	84.5	0.44	PID 0.0, some cloudiness
7/14/2022	16:10	LMW-36	6.18	6.76	26.27	2.36	88	581	0.93	PID 0.0, frothing on surface, dark gray EZVI silt at bottom of sample container.
7/15/2022	7:10	LMW-35	5.85	6.54	19.37	2.37	121	30.3	0.32	PID: 0.0, clear/trace ZVI
7/15/2022	7:25	LMW-37	6.16	7.87	19.62	2.46	-377	0	1.04	PID: 3.2, very milky
7/15/2022	7:55	LMW-36	6.18	6.59	20.21	2.37	42	344	0.14	PID: 0.0, milky
7/15/2022	8:30	LMW-38	7.90	6.86	21.03	2.72	-11	91.2	1.18	PID: 404.5, LNAPL/DNAPL on surface, clear
7/15/2022	8:50	LMW-39	7.75	6.79	19.56	2.47	81	39.2	1.69	PID: 53.3, LNAPL/DNAPL on surface

Groundwater Quality Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date	Time	Monitoring Well	DTW Level	Groundwater Quality Parameters (Horiba U-22)						Notes
				pH	Temperature	Conductivity	ORP	Turbidity	DO	
	hh:mm		ft bgs	S.U.	°C	mS/cm	mV	NTU	mg/L	
7/15/2022	10:15	LMW-36	6.18	6.7	21.85	2.37	67	147	2.17	PID: 0.2, milky
7/15/2022	12:30	LMW-38	7.85	7.04	24.71	2.41	-52	511	0.81	PID: 137.5, sheen, slight milkiness, iron flakes
7/15/2022	14:21	LMW-39	7.80	6.69	26.39	2.38	43	422	2.81	PID 52.9, sheen, trace iron flakes
7/18/2022	8:30	LMW-43	5.00	6.28	21.97	2.04	56	539	6.33	PID 0.0, light brown
7/18/2022	8:40	LMW-44	5.31	6.62	21.40	2.11	45	161	0.66	PID 0.3, light brown
7/18/2022	8:50	LMW-45	5.75	6.72	20.28	1.56	43	64.2	0.61	PID 0.0, clear
7/18/2022	9:00	LMW-48	4.52	6.54	22.07	1.83	146	19.6	1.43	PID 0.1, gray
7/18/2022	9:15	LMW-49	5.38	6.19	21.65	1.69	182	18.3	0.85	PID 0.0, clear
7/18/2022	9:30	LMW-50	6.78	-	-	-	-	-	-	PID 8.8, silted up couldn't collect
7/18/2022	13:30	LMW-48	4.50	6.53	26.02	1.78	91	163	1.30	PID 0.0, brownish gray some ZVI flakes
7/18/2022	15:20	LMW-49	4.45	6.25	21.26	3.66	-24	512	0.84	PID 0.1, dark gray some ZVI flakes
7/18/2022	16:30	LMW-48	4.30	6.32	20.64	2.42	45	1000+	0.71	PID 0.6, dark gray, some ZVI flakes
7/19/2022	7:30	LMW-43	5.11	6.13	22.07	1.97	6	131	0.81	PID 0.0, clear/light brown
7/19/2022	7:50	LMW-44	4.64	7.22	22.14	2.03	14	161	0.97	PID 0.3, clear/light brown
7/19/2022	8:00	LMW-45	5.69	6.82	21.05	1.66	11	146	0.85	PID 0.0, light brown
7/19/2022	8:07	LMW-48	4.50	6.55	22.97	1.83	79	34	0.76	PID 0.0, clear some cloudiness, trace ZVI
7/19/2022	8:20	LMW-49	4.45	6.42	21.11	2.19	77	1000+	0.85	PID 0.0, dark gray, ZVI flakes
7/19/2022	12:20	LMW-48	4.50	6.43	27.82	1.75	-13	36	1.17	PID 0.0, clear, ZVI flakes
7/19/2022	12:30	LMW-49	4.41	5.80	23.80	1.74	104	107	0.61	PID 0.0, cloudy, ZVI flakes
7/19/2022	14:35	LMW-48	4.45	6.64	22.26	3.04	-23	476	0.86	PID 0.0, dark gray silt, ZVI flakes, slightly cloudy
7/19/2022	14:50	LMW-49	4.40	6.39	21.66	1.86	60	1000+	1.43	PID 0.6, dark gray silt, cloudy, slightly milky
7/19/2022	15:39	LMW-44	4.75	6.98	24.49	1.87	30	160	0.55	PID 0.0, light brown, ZVI
7/19/2022	15:26	LMW-45	5.05	6.78	24.36	1.84	-2	60.8	0.71	PID 0.0, clear, slightly milky, ZVI flakes
7/20/2022	8:15	LMW-43	5.11	6.23	23.20	1.93	45	61.5	0.44	PID: 0.0, light brown
7/20/2022	8:25	LMW-44	5.18	6.78	22.67	1.93	20	427	0.57	PID: 0.1, light brown, silty
7/20/2022	8:40	LMW-45	5.45	6.63	20.85	1.92	21	63.1	0.45	PID 0.0, clear, ZVI flakes, bicarb pieces

Groundwater Quality Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date	Time	Monitoring Well	DTW Level	Groundwater Quality Parameters (Horiba U-22)						Notes
				pH	Temperature	Conductivity	ORP	Turbidity	DO	
	hh:mm		ft bgs	S.U.	°C	mS/cm	mV	NTU	mg/L	
7/20/2022	8:50	LMW-48	5.05	6.55	23.39	1.78	52	0.0	0.43	PID 0.0, clear, ZVI flakes, bicarb
7/20/2022	9:00	LMW-49	4.05	6.26	23.12	1.74	84	1000	1.02	PID: 0.5, dark brown, ZVI
7/27/2022	7:15	LMW-43	4.90	6.25	22.21	2.40	40	35.7	0.62	PID: 0.0, yellowish, ZVI flakes
7/27/2022	7:25	LMW-44	5.10	9.17	22.34	1.47	-31	31.0	0.81	PID: 0.6, yellowish, ZVI flakes
7/27/2022	7:38	LMW-45	5.50	6.84	20.59	1.98	-52	0.0	0.59	PID: 0.0, clear, some ZVI flakes
7/27/2022	7:50	LMW-48	4.5	6.71	23.13	1.86	24	0.0	0.78	PID: 0.0, clear, some ZVI flakes
7/27/2022	8:00	LMW-49	4.45	6.52	23.23	1.82	12	4.9	1.05	PID: 0.0, clear, trace ZVI flakes
7/27/2022	13:05	LMW-44	5.06	7.03	23.43	1.79	8	400.0	0.89	PID: 0.0, brown, slightly cloudy, ZVI flakes
7/27/2022	13:15	LMW-43	4.53	6.72	23.37	2.22	25	91.1	0.77	PID: 0.0, yellow, bicarb pieces, trace ZVI
7/27/2022	13:30	LMW-40	-	-	-	-	-	-	-	Well screened filled with silt from roadway. No GW.
7/28/2022	7:20	LMW-43	4.82	6.51	22.42	2.22	-8	30.3	0.56	PID: 0.0, yellowish, trace ZVI
7/28/2022	7:35	LMW-44	5.13	6.94	22.18	1.81	-32	99.3	0.65	PID: 0.0, yellowish, cloudy, ZVI flakes
7/28/2022	7:45	LMW-45	5.52	6.83	20.93	1.99	-55	48.0	0.64	PID: 0.0, clear/yellowish, ZVI flakes
7/28/2022	7:55	LMW-48	4.40	6.72	23.07	1.83	-7	50.5	1.02	PID: 0.0, clear/yellowish, ZVI flakes
7/28/2022	8:05	LMW-49	4.48	6.48	23.32	1.82	-12	11.8	0.76	PID: 0.0, clear, trace ZVI flakes
7/28/2022	10:25	LMW-35	5.55	7.20	21.98	2.23	-79	0.0	0.96	PID: 0.0, clear
7/28/2022	10:35	LMW-37	6.86	6.02	23.37	2.22	-132	0.0	0.09	PID, 0.0, very milky, slimy film on surface
7/28/2022	10:55	LMW-39	7.55	6.23	22.41	2.55	-88	169.0	0.85	PID: 5.5, LNAPL on surface
7/28/2022	11:10	LMW-38	7.55	6.63	22.95	2.55	-211	58.3	1.1	PID: 80.6, LNAPL on surface

Notes:
DTW - depth to water
ft bgs - feet below grade surface
S.U. - standard units
°C - degrees Celsius
mS/cm - millisiemens per centimeter
mV - millivolts
NTU - Nephelometric Turbidity Unit
mg/L - milligrams per liter

APPENDIX H

Well Field Visual Inspection Log

Well Field Visual Inspection Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Date / Time	Injection Point	Observations + Location (surfacing, leaks, etc.)
7/13/2022 11:02	IP-05	No surfacing in area around the injection point. Back pressure at the IP when removing rods. Rod left in place for ~2hrs.
7/13/2022 11:10	IP-04	Back flow out of open rod at IP-05. Rod capped. Bentonite plug placed at IP-04 following removal of rods.
7/13/2022 13:20	IP-01	No Surfacing. Small leak from rod threaded connection. No surfacing observed within excavation ~20' to the SW. Back pressure when removing rods.
7/13/2022 14:15	IP-03	No surfacing.
7/13/2022 15:35	IP-11	No surfacing. No observations at IP-05 (nearest completed injection point)
7/14/2022 12:40	IP-02	Low back pressure at borehole. Packed with bentonite
7/14/2022 13:15	IP-10	No Surfacing. High back pressure, rod left in place. 13:50 slow surfacing around rod. 15:20 high back pressure.
7/14/2022 13:50	IP-08	No surfacing, no back pressure when removing rods.
7/14/2022 15:20	IP-06	No surfacing, no change in GW appearance at LMW-36.
7/14/2022 16:00	IP-09	No Surfacing, some back pressure. Rods left in place.
7/15/2022 9:45	IP-07	No Surfacing. Some back pressure. Plugged with Bentonite
7/15/2022 12:35	IP-12/IP-14	No surfacing. No back pressure.
7/15/2022 14:40	IP-13	Large quantity of surfacing (25gal) beneath Conex container ~20min after point completed.
7/18/2022 13:45	IP-49	No surfacing, no back pressure, bentonite plug installed
7/18/2022 14:40	IP-36	No surfacing, injecting beneath ~12' of soil mixing. Very low back pressure, rod left in place.
7/19/2022 8:45	IP-37	Reagent surfacing from IP-38 borehole. Borehole plugged with more bentonite. Reagent vacuumed up. 10:00 reagent seen seeping onto pile cap below borehole elevation
7/19/2022 11:30	IP-39/IP-44	Refusal at 7-10' bgs. Related to soil mix. Points moved N
7/19/2022 12:55	IP-46	No surfacing, no back pressure
7/19/2022 14:15	IP-44 (offset)	Thin reagent/water mix surfacing at borehole. Reagent surfacing from IP-45. Injection stopped.
7/20/2022 0:00	IP-45	Reagent observed at borehole morning after injection. Very slow backflow/surfacing from borehole.
7/27/2022 11:20	IP-28/29	No Surfacing, some back pressure. Rods left in place.
7/27/2022 15:00	IP-51/19	No Surfacing, some back pressure. Rods left in place.
7/27/2022 16:00	IP-18	Moderate back pressure. Some amendment lost on the surface (<5gal). Rods left in place
7/28/2022 10:00	IP-50	No surfacing. No back pressure. Plugged with bentonite.
7/28/2022 11:40	IP-42	Surfacing (~10gal) in local area. Rods left in place.
7/28/2022	IP-47	Surfacing (~15gal) during chase water injection.

APPENDIX I

Anaerobic Water Tank Monitoring Log

Anaerobic Water Tank Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Batch Number	Date	Time	Water Quality Parameters (Horiba U-22)				Sodium Ascorbate Mass (lbs)	Water Volume (gallons)	Notes
			Temp	pH	ORP	DO			
		hh:mm	°C	S.U.	mV	mg/L			
1	7/11/2022	14:40	-	-	-	-	0.32	275	Mixed 7/11
2	7/11/2022	14:50	-	-	-	-	0.32	275	Mixed 7/11
1	7/13/2022	7:20	28.05	6.36	84	0.65	0.32	275	DO read from lower portion of the tote.
2	7/13/2022	7:30	27.97	6.81	-2	0.80	0.32	275	
2	7/13/2022	9:50	29.59	7.58	-89	0.88	0.32	275	
1	7/13/2022	9:55	29.62	7.04	-67	0.50	0.32	275	
2	7/13/2022	14:10	32.54	7.15	-33	0.55	0.32	275	
1	7/13/2022	14:20	32.08	6.88	-66	0.48	0.32	275	
2	7/14/2022	7:10	26.37	6.24	172	1.95	0.0065	50	
1	7/14/2022	7:20	27.29	6.3	2	0.53	0.36	275	
1	7/14/2022	13:40	32.37	6.82	6	0.21	0.24	184	
4	7/15/2022	7:40	26.05	6.78	121	1.06	0.36	275	Added 0.5 lbs sodium ascorbate
5	7/15/2022	7:50	26.87	6.84	113	1.55	0.36	275	Added 0.5 lbs
4	7/15/2022	12:40	29.17	7.04	-2	0.57	0.16	87.5	
5	7/15/2022	12:50	29.60	6.89	48	0.6	0.495	275	
5	7/18/2022	8:00	26.17	5.83	162	0.62	0.31	170	
6	7/18/2022	8:05	26.54	6.03	79	0.39	1	275	
7	7/18/2022	8:15	26.32	5.95	-31	0.23	1	275	
6	7/18/2022	15:00	29.07	6.76	73	0.22	1	275	
7	7/18/2022	15:05	28.03	5.94	-97	0.27	1	275	
6	7/19/2022	7:15	25.62	6.09	61	0.72	0.44	120	
7	7/19/2022	7:20	25.95	5.46	-99	0.37	1	275	

Anaerobic Water Tank Monitoring Log
EZVI Injections
23-30 Borden Avenue Development
Queens, New York
Langan Project No. 100766601
July 2022

Batch Number	Date	Time	Water Quality Parameters (Horiba U-22)				Sodium Ascorbate Mass (lbs)	Water Volume (gallons)	Notes
			Temp	pH	ORP	DO			
		hh:mm	°C	S.U.	mV	mg/L			
7	7/19/2022	11:15	30.03	6.25	-143	0.45	1	275	
7	7/27/2022	7:00	25.98	5.38	-4	0.59	0.6	165	
8	7/27/2022	7:05	26.31	5.26	-414	0.29	1	275	
7	7/27/2022	13:30	30.28	6.51	22	0.28	0.18	50	yellowish/brown
8	7/27/2022	13:35	30.99	5.76	-399	0.09	1	275	
8	7/28/2022	7:13	26.81	5.60	-472	0.29	1	275	

Notes:
S.U. - standard units
DO - Dissolved Oxygen
mg/L - milligrams per liter
Batch 3 was not used due to high DO.

APPENDIX J

Photo Log

LANGAN

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Innovo Property Group	23-30 Borden Avenue, Long Island City, New York 11101	100766601

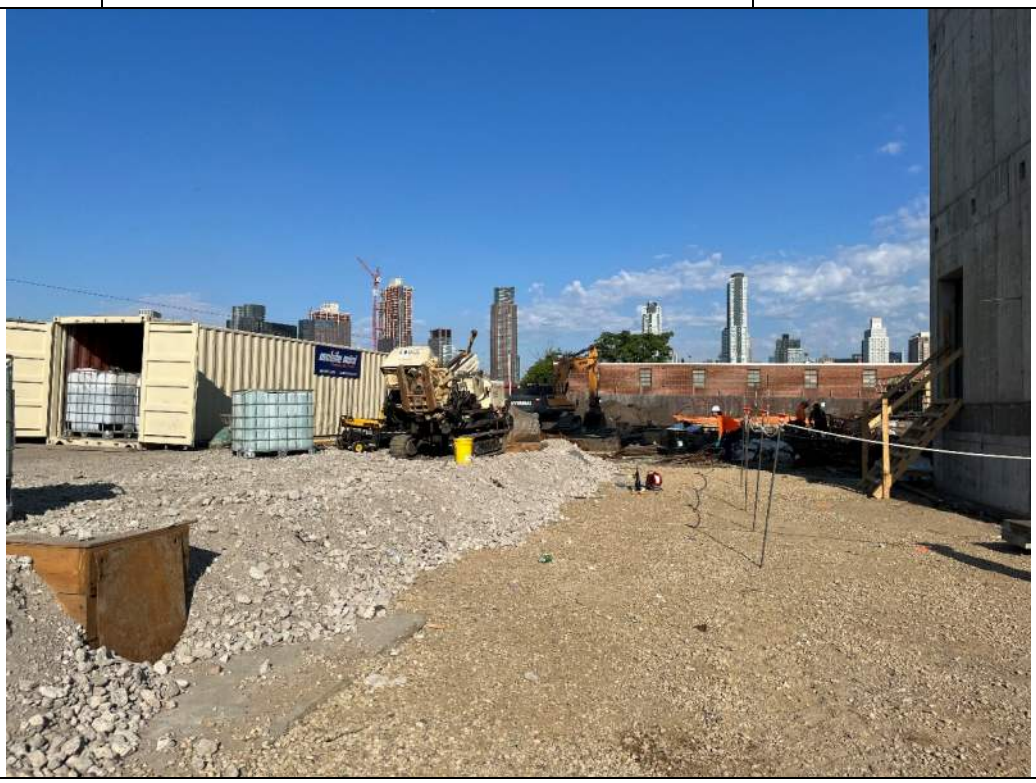
Date	Photo No.
July 2022	1

Direction Photo Taken:

West

Description:

General view of the Vinyl Chloride Treatment Zone. The injection reagents, including EZVI and sodium bicarbonate, are stored in the trailer. A water tote treated with sodium ascorbate is shown to the right of the trailer. DPT injection points were shifted to accommodate the roped off area around the stair tower, shown on the right.



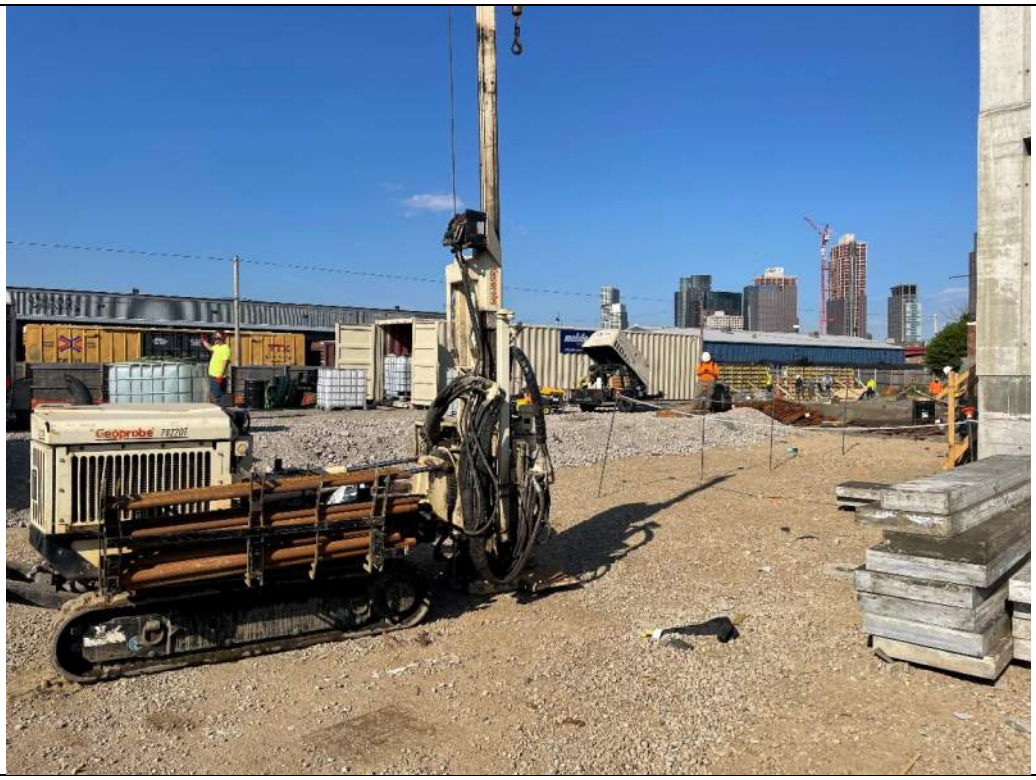
Date	Photo No.
July 2022	2

Direction Photo Taken:

Southwest

Description:

Geoprobe DPT 7822DT track mounted rig set up in the Vinyl Chloride Treatment Zone. The injection reagent totes and storage trailer are located behind the rig.



LANGAN

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Innovo Property Group	23-30 Borden Avenue, Long Island City, New York 11101	100766601

Date	Photo No.
July 2022	3

Direction Photo Taken:

Southwest

Description:

Chemgrout injection skid with mixing tote and trough. The SDC-9 consortium is stored in the keg in the cooler, and is measured out with the nitrogen tank and graduated cylinder before being added into the trough.



Date	Photo No.
July 2022	4

Direction Photo Taken:

North

Description:

EZVI and anaerobic water IBC totes. The EZVI tote is equipped with a tote mixer.



LANGAN

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Innovo Property Group	23-30 Borden Avenue, Long Island City, New York 11101	100766601

Date	Photo No.
July 2022	5

Direction Photo Taken:

Northwest

Description:

Excavation pit and stored rebar to the west of LMW-36. Injection point IP-06 was shifted to the east to avoid this area.



Date	Photo No.
July 2022	6

Direction Photo Taken:

North

Description:

Backflow of injected material from injection point when retracting the injection rod following injections. To prevent this, the injection rod was capped and left for a few hours to allow the back pressure to dissipate.



LANGAN

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Innovo Property Group	23-30 Borden Avenue, Long Island City, New York 11101	100766601

Date	Photo No.
July 2022	7

Direction Photo Taken:

West

Description:

General view of the 1,1,1-TCA Treatment Zone. The injection material and anaerobic water tanks are shown on the right.



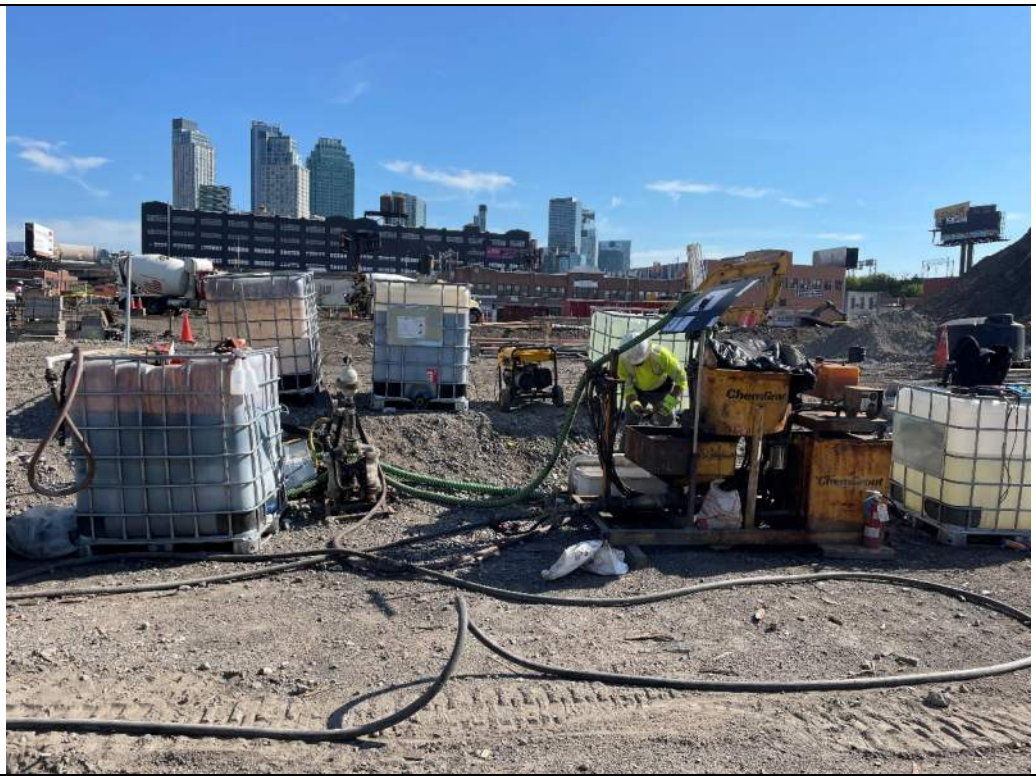
Date	Photo No.
July 2022	8

Direction Photo Taken:

North

Description:

Injection setup at the 1,1,1-TCA Treatment Zone. Material is pumped from the EZVI and anaerobic water totes to the Chemgrout skid.



LANGAN

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Innovo Property Group	23-30 Borden Avenue, Long Island City, New York 11101	100766601

Date	Photo No.
July 2022	9

Direction Photo Taken:

West

Description:

Geoprobe DPT 7822DT track mounted rig set up in the 1,1,1-TCA Treatment Zone.



Date	Photo No.
July 2022	10

Direction Photo Taken:

South

Description:

DPT injection points in the 1,1,1-TCA Treatment Zone.



APPENDIX K

Remediation Field Services Report (Cascade)

LANGAN

REMEDIATION FIELD SERVICES REPORT

Direct Push Injection Services
23-30 Borden Avenue
Long Island City, NY 11101

Date:
August 4, 2022

Project Number:
202-22-1062

Prepared For:
Langan Engineering, Inc.
1300 Wilson Boulevard, Suite 450
Arlington, VA 22209

Prepared by:
Cascade Remediation Services
629 Wright Debow Road
Jackson, NJ 08527

August 4, 2022
Project No. 202-22-1062

Aroona Boodram
Langan Engineering, Inc.
1300 Wilson Boulevard, Suite 450
Arlington, VA 22209

Subject: Remediation Field Services Report
Direct Push Injection Services
23-30 Borden Avenue
Long Island City, NY 11101

Dear Aroona,

In accordance with your request and authorization, Cascade Remediation Services has performed remediation field services for the subject site. The field services were performed in general accordance with Cascade's proposal dated March 3, 2022.

Cascade appreciates the opportunity to provide our services to you. If you have any questions or comments regarding this report, please contact the undersigned at your convenience.

Respectfully submitted,
CASCADE Remediation Services

Christine Jurczak
Operations Manager

Michael Lang
Senior Technical Specialist

Distribution: (1) Addressee (via e-mail)
AB/AO/SH/MA/AK/RR/AF/CM/CJ/EM/WM/NK/ML/TP

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2 Remediation Approach 4
3 Project Activities 4
3.1 Pre-Mobilization Activities 4
3.2 Onsite Activities 4
3.3 Site Restoration 5
4 Limitations 5

Appendices

Appendix A – Injection Summary and Logs
Appendix B – Photographs
Appendix C – Injection Location Map (Langan Engineering, Inc., January 5, 2022)

1 INTRODUCTION

Langan Engineering, Inc. (Langan) subcontracted Cascade Remediation Services (Cascade) to perform remediation field services at the subject site located at 23-30 Borden Avenue, Long Island City, NY. Field services were conducted in general accordance with Cascade's proposal dated March 3, 2022.

2 REMEDIATION APPROACH

Utilizing the bottom-up injection method, a 2.25-inch diameter 2-foot length injection nozzle was driven into the subsurface using a Geoprobe® direct push technology (DPT) 7822DT track mounted rig. SRS-ZVI®, sodium bicarbonate, sodium ascorbate, and SDC-9® microbial culture were the reagents selected to treat the contaminants of concern (Vinyl Chloride and 1,1,1-TCA). The site was divided into two separate treatment areas: Vinyl Chloride Treatment Area (VC Area) and 1,1,1-TCA Treatment Area (TCA Area). The reagents were injected through the tooling into the subsurface at three different intervals (see injection logs for details). The reagents were mixed onsite using a Chemgrout® piston pump.

3 PROJECT ACTIVITIES

The following sections describe the field activities conducted at the site. The activities were conducted from July 11 to July 29, 2022.

3.1 PRE-MOBILIZATION ACTIVITIES

A site-specific health and safety plan was prepared to address worker and general public safety. USIC was notified at least 48 hours prior to the commencement of field activities and inquiry identification number 221861408 was obtained for Cascade's scope of work.

3.2 ONSITE ACTIVITIES

On July 11, 2022, Cascade mobilized a Chemgrout® piston pump and a Geoprobe® 7822DT track mounted DPT drill rig to the site. Prior to the commencement of field activities, a tailgate safety meeting was performed. The safety meeting was followed by a site walk to review the proposed injection locations marked by the client. Site control measures consisting of traffic cones and caution tape were implemented to delineate the work area. Spill kits and portable vacuums were placed within the work area for immediate deployment. Transportation of the injection materials was coordinated by Langan. Handling of the injection materials was coordinated by Cascade.

The scope of work performed by Cascade included the injection of SRS-ZVI®, sodium bicarbonate, sodium ascorbate, and SDC-9® microbial culture into 34 temporary direct push injection locations. The VC Area consisted of 16 injection points, each of which received 48 gallons of SRS-ZVI®, 30 pounds of sodium bicarbonate, 1.5 liters of SDC-9®, and 30 to 65 gallons of anaerobic flush water. The TCA Area was reduced from 32 to 18 injection points, each of which received 130 gallons of SRS-ZVI®, 10.5 pounds of sodium bicarbonate, 3 liters of SDC-9®, and 30 to 195 gallons of anaerobic flush water (see injection logs for details). Water was obtained from an offsite hydrant and transported to the site by Cascade. Sodium ascorbate was added to the totes to create anaerobic water.

Daylighting was observed throughout the injection event, most commonly from previously abandoned adjacent boreholes and around the rods due to a poor seal. As a result, previously abandoned boreholes were sealed using a solid point, and flowrates were decreased.

The SRS-ZVI®, sodium bicarbonate, and SDC-9® were injected, followed by a flush of anaerobic water. Total volume injected into the 16 injection points in the VC Area was approximately 1,678 gallons (768 gallons of SRS-ZVI® and 910 gallons of anaerobic flush water). Total volume injected into the 18 injection points in the TCA Area was approximately 3,629 gallons (2,340 gallons of SRS-ZVI® and 1,289 gallons of anaerobic flush water).

Remediation activities were successfully completed on July 29, 2022.

3.3 SITE RESTORATION

Upon completion of injection activities, the boreholes were backfilled with hydrated bentonite chips. The upper portions of the boreholes (approximately 6-inches) were filled with soil to match the existing surface.

Investigation-derived waste generated during remediation activities at the site was containerized in 55-gallon steel drums and staged in an area marked by Langan. Other waste (i.e., personal protective equipment, packaging materials, etc.) were collected in large trash bags and disposed as municipal solid waste.

4 LIMITATIONS

The implementation of the scope of work was performed in accordance with the clients' design specification as described above (Sections 1.1) and supporting injection logs (Appendix A). Cascade bears no responsibility for remediation results or impact to existing conditions.

APPENDIX A

Injection Summary and Logs

WEEKLY PROJECT SUMMARY

PROJECT NAME/NUMBER: Langan - Long Island City - 202221062

					0.0	0.0	0.0	0.0	0.0
					% Solution				
Day	Date	On-site Time	Off-site Time	Wells Completed	SRS-ZVI (gals)	SDC-9 (mL)	% Solution Injected (Gallons)	Flush Water Injected (Gallons)	Total Injected (Gallons)
Monday	7/11/2022	Mobilization							
Tuesday	7/12/2022								
Wednesday	7/13/2022	7:30 AM	5:00 PM	5.0	240.0	7.5	240.0	250.0	490.0
Thursday	7/14/2022	7:30 AM	5:00pm	5.0	240.0	7.5	240.0	300.0	540.0
Friday	7/15/2022	7:30 AM	4:00 PM	6.0	288.0	9.0	288.0	360.0	648.0
Monday	7/18/2022	8:00 AM	5:00 PM	3.0	390.0	9.0	390.0	180.0	570.0
Tuesday	7/19/2022	8:00 AM	4:00 PM	5.0	650.0	15.0	650.0	300.0	950.0
Wednesday	7/20/2022								
Thursday	7/21/2022								
Friday	7/22/2022								
Monday	7/25/2022	Full site stop work							
Tuesday	7/26/2022	Full site stop work							
Wednesday	7/27/2022	8:00 AM	4:00 PM	5.0	650.0	15.0	650.0	374.0	1,024.0
Thursday	7/28/2022	8:00 AM	4:30 PM	5.0	650.0	15.0	650.0	435.0	1,085.0
Friday	7/29/2022	Demob							

Monday									
Tuesday									
Wednesday									
Thursday									
Friday									

Totals	34	3,108.0	78.0	3,108.0	2,199.0	5,307.0
Design	34	3,104	78	3,104	1,020	5,303
Balance	0.0	-4.0	0.0	-4	-1,179	-4
Project Average	4.9	444.0	11.1	444.0	314.1	758.1

CASCADE
DRILLING | TECHNICAL SERVICES

INJECTION FIELD LOG

Area: VC Area

LEAD OPERATOR: Trevor Panzano

Well ID	Start Date	Start Time	End Date	End Time	Injection Interval	Initial Pressure (PSI)	Sustained Pressure (PSI)	Average Flow Rate (GPM)	% Solution		% Solution Injected (Gallons)	Flush Water Injected (Gal)	Total Injected (Gal)	Day Lighting	Field Notes
									SRS-ZVI (gals)	SDC-9 (mL)					
IP-5		10:12 AM		10:17 AM	11.0 to 13.0	50	50	6.2	16.0	0.5	16.0	15.0	31.0		
	7/13/22	10:25 AM	7/13/22	10:30 AM	9.0 to 11.0	25	25	7.2	16.0	0.5	16.0	20.0	36.0		
		10:41 AM		10:45 AM	7.0 to 9.0	25	25	4.0	16.0	0.5	16.0	20.0	36.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**55.0**	**103**		
IP-4		11:13 AM		11:19 AM	11.0 to 13.0	25	25	4.3	16.0	0.5	16.0	10.0	26.0		
	7/13/22	11:30 AM	7/13/22	11:36 AM	9.0 to 11.0	25	25	5.2	16.0	0.5	16.0	15.0	31.0		
		11:38 AM		11:44 AM	7.0 to 9.0	25	25	2.7	16.0	0.5	16.0	15.0	31.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**40.0**	**88**		
IP-1		1:10 PM		1:15 PM	11.0 to 13.0	25	25	5.2	16.0	0.5	16.0	10.0	26.0		
	7/13/22	1:21 PM	7/13/22	1:26 PM	9.0 to 11.0	25	25	5.2	16.0	0.5	16.0	10.0	26.0		
		1:28 PM		1:43 PM	7.0 to 9.0	25	25	1.1	16.0	0.5	16.0	10.0	26.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**30.0**	**78**		
IP-3		1:59 PM		2:23 PM	11.0 to 13.0	25	25	1.5	16.0	0.5	16.0	20.0	36.0		
	7/13/22	2:39 PM	7/13/22	2:45 PM	9.0 to 11.0	25	25	6.0	16.0	0.5	16.0	20.0	36.0		
		2:50 PM		2:56 PM	7.0 to 9.0	25	25	2.7	16.0	0.5	16.0	25.0	41.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**65.0**	**113**		
IP-11		3:31 PM		3:37 PM	11.0 to 13.0	25	25	6.0	16.0	0.5	16.0	20.0	36.0		
	7/13/22	3:40 PM	7/13/22	3:46 PM	9.0 to 11.0	25	25	6.0	16.0	0.5	16.0	20.0	36.0		
		3:59 PM		4:06 PM	7.0 to 9.0	25	25	2.3	16.0	0.5	16.0	20.0	36.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-2		12:01 PM		12:12 PM	11.0 to 13.0	150	175	3.3	16.0	0.5	16.0	20.0	36.0		
	7/14/22	12:15 PM	7/14/22	12:20 PM	9.0 to 11.0	100	100	7.2	16.0	0.5	16.0	20.0	36.0		
		12:36 PM		12:42 PM	7.0 to 9.0	75	100	2.7	16.0	0.5	16.0	20.0	36.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-10		12:51 PM		12:57 PM	11.0 to 13.0	150	125	6.0	16.0	0.5	16.0	20.0	36.0		
	7/14/22	1:02 PM	7/14/22	1:08 PM	9.0 to 11.0	100	75	6.0	16.0	0.5	16.0	20.0	36.0		
		1:15 PM		1:20 PM	7.0 to 9.0	100	100	3.2	16.0	0.5	16.0	20.0	36.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-8		1:42 PM		1:48 PM	10.0 to 12.0	75	100	6.0	16.0	0.5	16.0	20.0	36.0		
	7/14/22	1:59 PM	7/14/22	2:05 PM	8.0 to 10.0	100	100	6.0	16.0	0.5	16.0	20.0	36.0		
		2:25 PM		2:30 PM	6.0 to 8.0	100	100	3.2	16.0	0.5	16.0	20.0	36.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-6		2:44 PM		2:50 PM	11.0 to 13.0	225	225	6.0	16.0	0.5	16.0	20.0	36.0		
	7/14/22	2:58 PM	7/14/22	3:03 PM	9.0 to 11.0	125	125	7.2	16.0	0.5	16.0	20.0	36.0		
		3:12 PM		3:18 PM	7.0 to 9.0	175	175	2.7	16.0	0.5	16.0	20.0	36.0		IP Complete
								TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		

INJECTION FIELD LOG

Area: VC Area

LEAD OPERATOR: Trevor Panzano

Well ID	Start Date	Start Time	End Date	End Time	Injection Interval			Initial Pressure (PSI)	Sustained Pressure (PSI)	Average Flow Rate (GPM)	% Solution		% Solution Injected (Gallons)	Flush Water Injected (Gal)	Total Injected (Gal)	Day Lighting	Field Notes
											SRS-ZVI (gals)	SDC-9 (mL)					
IP-9	7/14/22	3:46 PM	7/14/22	3:52 PM	11.0	to	13.0	100	75	6.0	16.0	0.5	16.0	20.0	36.0		
		4:00 PM		4:06 PM	9.0	to	11.0	125	150	6.0	16.0	0.5	16.0	20.0	36.0		
		4:16 PM		4:22 PM	7.0	to	9.0	125	150	2.7	16.0	0.5	16.0	20.0	36.0	x	DL 5FT ROI / IP Complete
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-7	7/15/22	8:00 AM	7/15/22	8:16 AM	10.0	to	12.0	200	225	2.2	16.0	0.5	16.0	20.0	36.0		
		8:35 AM		8:41 AM	8.0	to	10.0	175	200	6.0	16.0	0.5	16.0	20.0	36.0		
		8:48 AM		8:53 AM	6.0	to	8.0	200	200	3.2	16.0	0.5	16.0	20.0	36.0		IP Complete
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-12	7/15/22	9:16 AM	7/15/22	9:20 AM	10.0	to	12.0	150	150	9.0	16.0	0.5	16.0	20.0	36.0		
		10:27 AM		10:33 AM	8.0	to	10.0	150	150	6.0	16.0	0.5	16.0	20.0	36.0		
		10:41 AM		10:46 AM	6.0	to	8.0	125	125	3.2	16.0	0.5	16.0	20.0	36.0		IP Complete
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-14	7/15/22	11:04 AM	7/15/22	11:12 AM	12.0	to	14.0	100	100	4.5	16.0	0.5	16.0	20.0	36.0		
		11:21 AM		11:26 AM	10.0	to	12.0	100	100	7.2	16.0	0.5	16.0	20.0	36.0		
		11:33 AM		11:37 AM	8.0	to	10.0	150	175	4.0	16.0	0.5	16.0	20.0	36.0		IP Complete
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-16	7/15/22	12:48 PM	7/15/22	12:53 PM	12.0	to	14.0	150	150	7.2	16.0	0.5	16.0	20.0	36.0		
		12:59 PM		1:03 PM	10.0	to	12.0	150	125	9.0	16.0	0.5	16.0	20.0	36.0		
		1:31 PM		1:34 PM	8.0	to	10.0	125	125	5.3	16.0	0.5	16.0	20.0	36.0		IP Complete
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-13	7/15/22	1:44 PM	7/15/22	1:53 PM	12.0	to	14.0	225	200	4.0	16.0	0.5	16.0	20.0	36.0		
		2:07 PM		2:12 PM	10.0	to	12.0	225	250	7.2	16.0	0.5	16.0	20.0	36.0		
		2:22 PM		2:27 PM	8.0	to	10.0	200	150	3.2	16.0	0.5	16.0	20.0	36.0	x	IP Complete / DL 5 FT ROI
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		
IP-15	7/15/22	2:39 PM	7/15/22	2:44 PM	12.0	to	14.0	150	175	7.2	16.0	0.5	16.0	20.0	36.0		
		2:58 PM		3:04 PM	10.0	to	12.0	150	150	6.0	16.0	0.5	16.0	20.0	36.0		
		3:17 PM		3:26 PM	8.0	to	10.0	125	125	1.8	16.0	0.5	16.0	20.0	36.0		IP Complete
										TOTALS	**48.0**	**1.5**	**48.0**	**60.0**	**108**		

INJECTION FIELD LOG

Area: TCA Area

LEAD OPERATOR: Trevor Panzano/Michael Lang

Well ID	Start Date	Start Time	End Date	End Time	Injection Interval	Initial Pressure (PSI)	Sustained Pressure (PSI)	Average Flow Rate (GPM)	% Solution		% Solution Injected (Gallons)	Flush Water Injected (Gal)	Total Injected (Gal)	Day Lighting	Field Notes
									SRS-ZVI (gals)	SDC-9 (mL)					
IP-49	7/18/22	11:15 AM	7/18/22	11:22 AM	18.0 to 20.0	300	150	9.0	43.3	1.0	43.3	20.0	63.3		
		11:47 AM		12:01 PM	16.0 to 18.0	200	175	4.5	43.3	1.0	43.3	20.0	63.3		
		1:15 PM		1:40 PM	15.0 to 16.0	150	150	2.5	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-36	7/18/22	2:08 PM	7/18/22	2:30 PM	13.0 to 15.0	350	225	2.9	43.3	1.0	43.3	20.0	63.3		
		2:35 PM		2:41 PM	11.0 to 13.0	350	250	10.6	43.3	1.0	43.3	20.0	63.3		
		2:47 PM		2:55 PM	10.0 to 11.0	350	300	7.9	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-38	7/18/22	3:56 PM	7/18/22	4:03 PM	13.0 to 15.0	350	150	9.0	43.3	1.0	43.3	20.0	63.3		
		4:04 PM		4:14 PM	11.0 to 13.0	350	225	6.3	43.3	1.0	43.3	20.0	63.3		
		4:17 PM		4:32 PM	10.0 to 11.0	200	200	4.2	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-37	7/19/22	8:42 AM	7/19/22	9:03 AM	13.0 to 15.0	325	200	3.0	43.3	1.0	43.3	20.0	63.3	X	DL from previous borehole (IP-36)
		9:09 AM		9:19 AM	11.0 to 13.0	225	200	6.3	43.3	1.0	43.3	20.0	63.3	X	DL from previous borehole (IP-36). Sealed with solid point and bentonite
		9:24 AM		9:41 AM	10.0 to 11.0	150	200	3.7	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-39	7/19/22	10:54 AM	7/19/22	11:03 AM	13.0 to 15.0	200	200	7.0	43.3	1.0	43.3	20.0	63.3		
		11:08 AM		11:18 AM	11.0 to 13.0	200	200	6.3	43.3	1.0	43.3	20.0	63.3		
		11:24 AM		11:33 AM	10.0 to 11.0	325	125	7.0	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-46	7/19/22	12:32 PM	7/19/22	12:40 PM	13.0 to 15.0	225	300	7.9	43.3	1.0	43.3	20.0	63.3		
		12:44 PM		12:54 PM	11.0 to 13.0	200	200	6.3	43.3	1.0	43.3	20.0	63.3		
		1:01 PM		1:07 PM	10.0 to 11.0	250	225	10.6	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-44	7/19/22	1:38 PM	7/19/22	1:45 PM	13.0 to 15.0	275	150	9.0	43.3	1.0	43.3	20.0	63.3		
		1:52 PM		2:00 PM	11.0 to 13.0	250	225	7.9	43.3	1.0	43.3	20.0	63.3		
		2:07 PM		2:14 PM	10.0 to 11.0	275	225	9.0	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-39	7/19/22	2:30 PM	7/19/22	2:38 PM	13.0 to 15.0	300	175	7.9	43.3	1.0	43.3	20.0	63.3		
		2:44 PM		2:53 PM	11.0 to 13.0	250	200	7.0	43.3	1.0	43.3	20.0	63.3		
		3:03 PM		3:11 PM	10.0 to 11.0	225	150	7.9	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-29	7/27/22	9:26 AM	7/27/22	9:40 AM	13.0 to 15.0	300	250	3.8	43.3	1.0	43.3	10.0	53.3		
		9:41 AM		9:58 AM	11.0 to 13.0	350	300	3.1	43.3	1.0	43.3	10.0	53.3		
		10:02 AM		10:19 AM	10.0 to 11.0	300	250	3.1	43.3	1.0	43.3	10.0	53.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**30.0**	**160**		
IP-28	7/27/22	10:47 AM	7/27/22	11:07 AM	13.0 to 15.0	200	200	2.7	43.3	1.0	43.3	10.0	53.3		
		11:08 AM		11:45 AM	11.0 to 13.0	150	150	1.4	43.3	1.0	43.3	10.0	53.3		
		11:47 AM		12:15 PM	10.0 to 11.0	300	250	2.3	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**40.0**	**170**		

INJECTION FIELD LOG

Area: TCA Area

LEAD OPERATOR: Trevor Panzano/Michael Lang

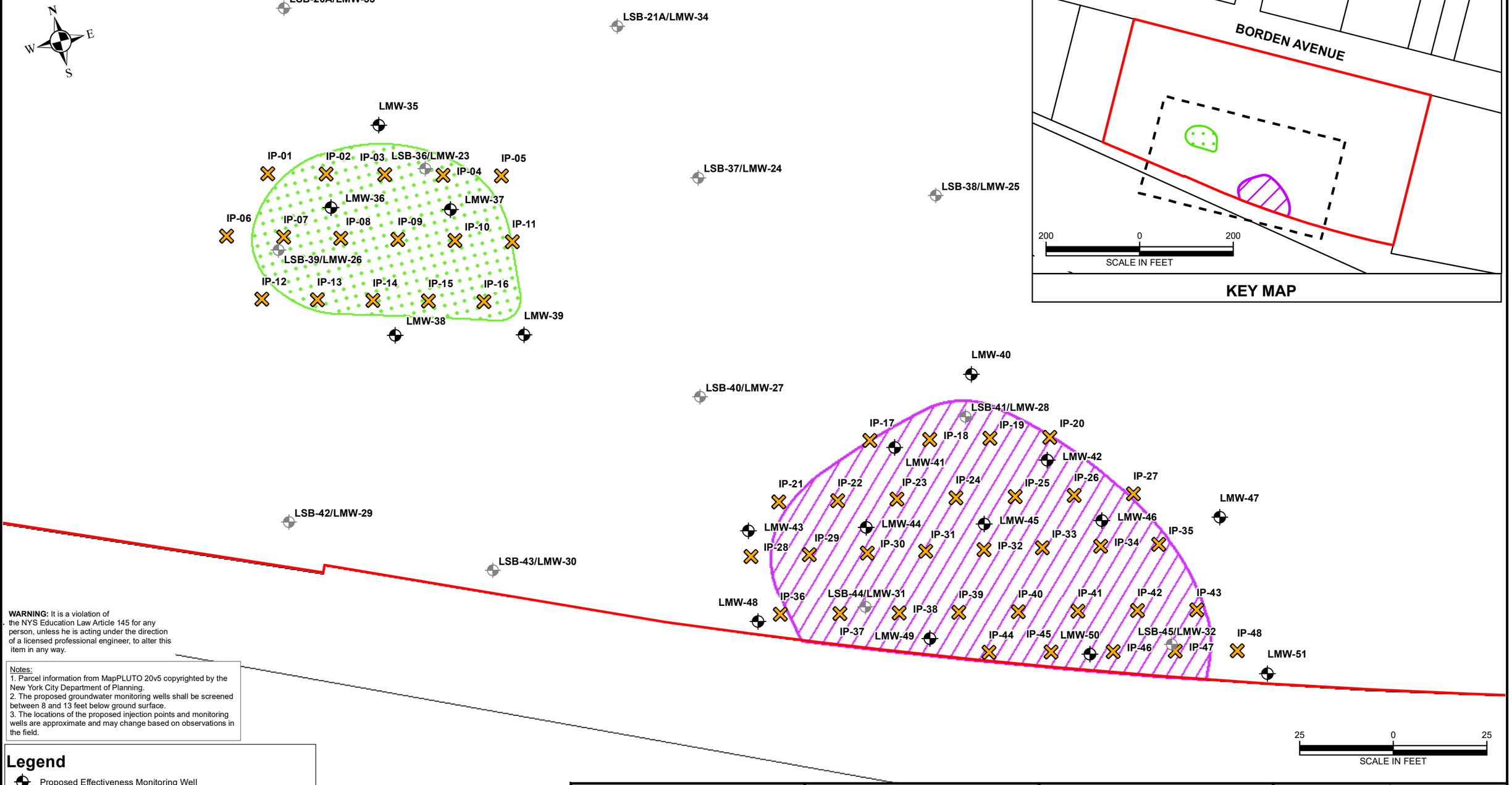
Well ID	Start Date	Start Time	End Date	End Time	Injection Interval	Initial Pressure (PSI)	Sustained Pressure (PSI)	Average Flow Rate (GPM)	% Solution		% Solution Injected (Gallons)	Flush Water Injected (Gal)	Total Injected (Gal)	Day Lighting	Field Notes
									SRS-ZVI (gals)	SDC-9 (mL)					
IP-51	7/27/22	12:37 PM	7/27/22	12:50 PM	13.0 to 15.0	325	375	4.9	43.3	1.0	43.3	20.0	63.3		
		12:56 PM		1:05 PM	11.0 to 13.0	300	300	7.0	43.3	1.0	43.3	20.0	63.3		
		1:07 PM		1:15 PM	10.0 to 11.0	300	300	7.9	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-19	7/27/22	1:35 PM	7/27/22	1:42 PM	13.0 to 15.0	250	200	9.0	43.3	1.0	43.3	20.0	63.3		
		1:48 PM		2:02 PM	11.0 to 13.0	250	250	4.5	43.3	1.0	43.3	20.0	63.3		
		2:23 PM		2:36 PM	10.0 to 11.0	250	225	4.9	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-18	7/27/22	2:58 PM	7/27/22	3:06 PM	13.0 to 15.0	100	100	7.9	43.3	1.0	43.3	20.0	63.3		
		3:07 PM		3:20 PM	11.0 to 13.0	125	125	9.6	43.3	1.0	43.3	82.0	125.3		Diluted SRS-ZVI tote with water
		3:25 PM		3:40 PM	10.0 to 11.0	150	150	8.4	43.3	1.0	43.3	82.0	125.3		Diluted SRS-ZVI tote with water. IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**184.0**	**314**		
IP-50	7/28/22	8:56 AM	7/28/22	9:12 AM	13.0 to 15.0	250	200	4.0	43.3	1.0	43.3	20.0	63.3		
		9:57 AM		10:04 AM	11.0 to 13.0	250	200	9.0	43.3	1.0	43.3	20.0	63.3		
		10:05 AM		10:17 AM	10.0 to 11.0	200	200	5.3	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-42	7/28/22	10:36 AM	7/28/22	10:42 AM	13.0 to 15.0	400	400	10.6	43.3	1.0	43.3	20.0	63.3		
		11:00 AM		11:10 AM	11.0 to 13.0	300	300	6.3	43.3	1.0	43.3	20.0	63.3		
		11:18 AM		11:37 AM	10.0 to 11.0	150	150	3.3	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-48	7/28/22	11:51 AM	7/28/22	12:03 PM	18.0 to 20.0	100	100	5.3	43.3	1.0	43.3	20.0	63.3		
		12:10 PM		12:25 PM	16.0 to 18.0	250	250	4.2	43.3	1.0	43.3	20.0	63.3		
		12:28 PM		12:41 PM	15.0 to 16.0	200	200	4.9	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-43	7/28/22	1:10 PM	7/28/22	1:20 PM	18.0 to 20.0	250	250	6.3	43.3	1.0	43.3	20.0	63.3		
		1:36 PM		1:44 PM	16.0 to 18.0	250	250	7.9	43.3	1.0	43.3	20.0	63.3		
		1:48 PM		1:59 PM	15.0 to 16.0	250	200	5.8	43.3	1.0	43.3	20.0	63.3		IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**60.0**	**190**		
IP-47	7/28/22	2:19 PM	7/28/22	2:26 PM	13.0 to 15.0	250	200	9.0	43.3	1.0	43.3	20.0	63.3		
		2:49 PM		2:57 PM	11.0 to 13.0	300	300	7.9	43.3	1.0	43.3	20.0	63.3		
		3:22 PM		3:31 PM	10.0 to 11.0	300	250	22.0	43.3	1.0	43.3	155.0	198.3		Injected remaining diluted SRS-ZVI totes from VC Area (Approximately 115 gals). IP Complete
								TOTALS	**130.0**	**3.0**	**130.0**	**195.0**	**325**		

APPENDIX B
Photographs





APPENDIX C
Injection Location Map



WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

Notes:
1. Parcel information from MapPLUTO 20v5 copyrighted by the New York City Department of Planning.
2. The proposed groundwater monitoring wells shall be screened between 8 and 13 feet below ground surface.
3. The locations of the proposed injection points and monitoring wells are approximate and may change based on observations in the field.

Legend

- Proposed Effectiveness Monitoring Well
- Existing Monitoring Well
- Proposed Injection Point
- Site Boundary
- Tax Lot
- 1,1,1-Trichloroethane Treatment Area
- Vinyl Chloride Treatment Area

LANGAN
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
23-30 BORDEN AVENUE DEVELOPMENT
NYSDEC BCP SITE No.: C241238
BLOCK No. 68, LOT No. 38
LONG ISLAND CITY
QUEENS NEW YORK

Drawing Title
TREATMENT AREA AND INJECTION LOCATIONS

Project No.	100766601
Date	1/5/2022
Scale	1 " = 25 '
Drawn By	IHB
Figure	1

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Path: \\langan.com\data\PAR\data6\100766601\Project Data\ArcGIS\MXD\Environmental_Figures\2021-07 - BCP RAWP\Figure 2 - EZVI Treatment Area.mxd Date: 1/5/2022 User: ibaker Time: 4:35:27 PM

APPENDIX L

CAMP Data

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

DAILY AIR MONITORING REPORT

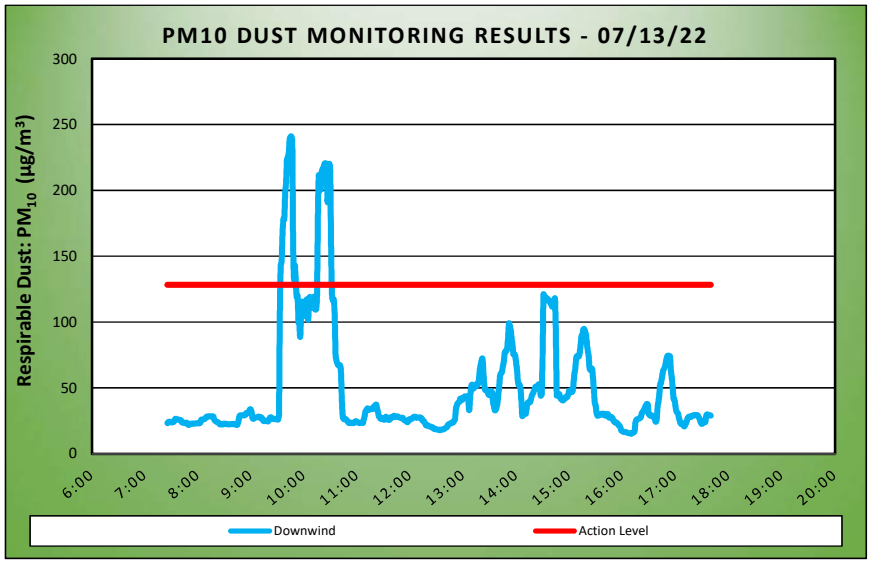
23-30 Borden Ave Site Investigation

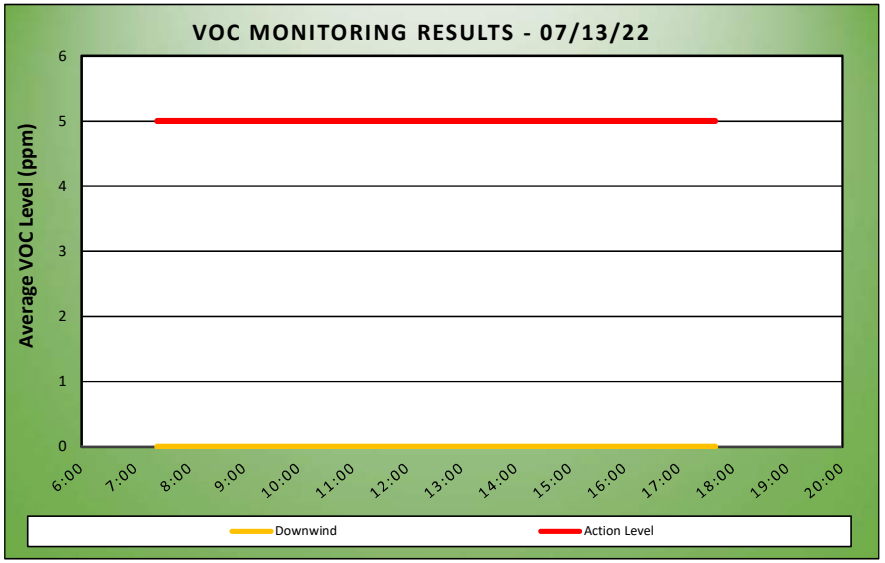
Long Island City, New York

07/13/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	128 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	NNW	Relative Humidity (%)	30.0 - 61.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	76.0 - 90.0	Wind Speed (MPH)	1.6 - 3.5	Barometer (inHg)	29.80 - 29.90			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	49.3	241.0	9:46	0.0	0.0	7:24



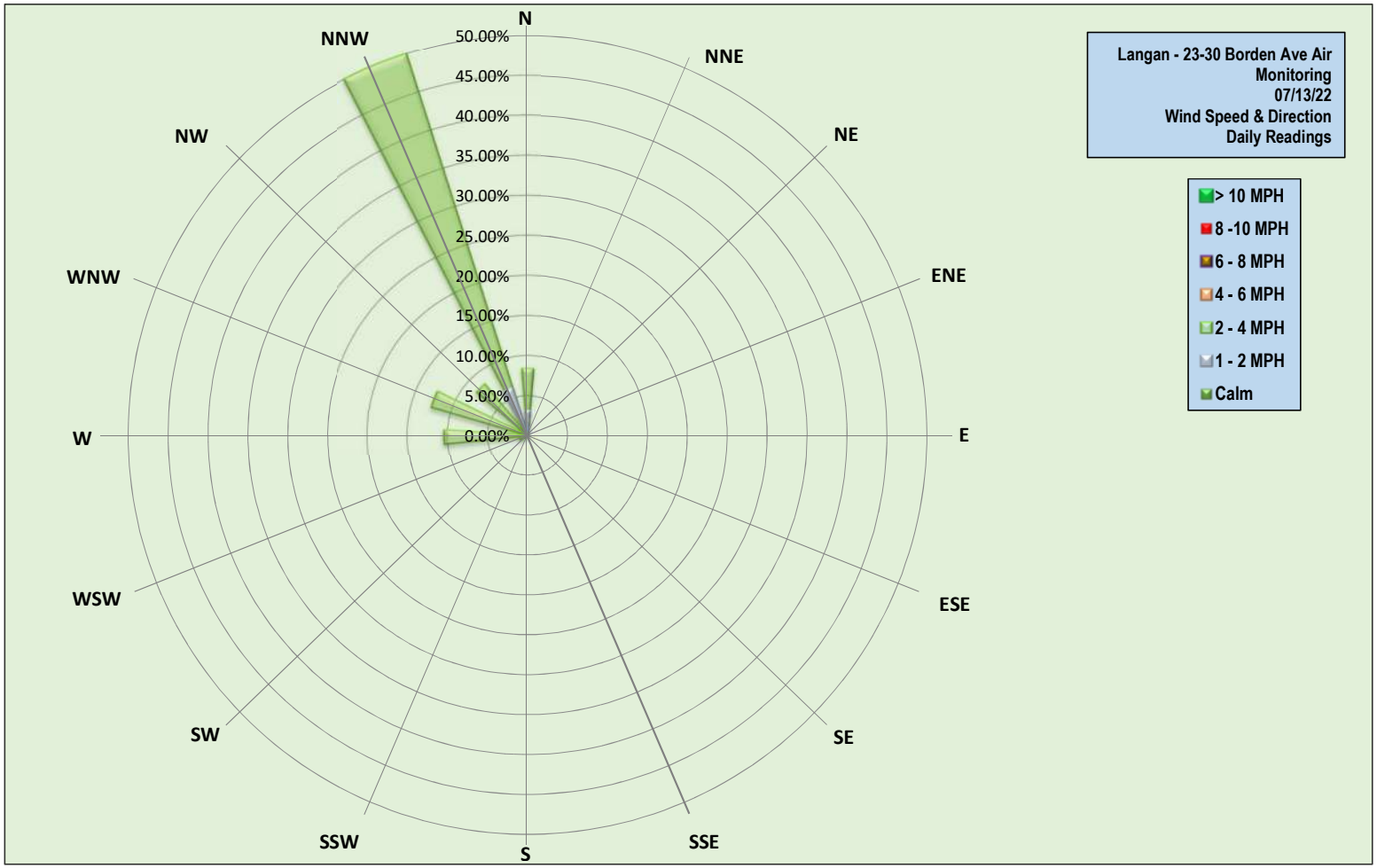


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


Langan - 23-30 Borden Ave Air Monitoring
07/13/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
E
ESE
SE
SSE
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5.00%
0.00%

Wednesday, July 13, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			34
Start Time:			7:11
End Time:			17:40
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10		-	-
7:11	84.5	-	-
7:12	28.3	-	-
7:13	27.0	-	-
7:14	24.8	-	-
7:15	25.8	-	-
7:16	24.0	-	-
7:17	20.3	-	-
7:18	20.3	-	-
7:19	19.5	-	-
7:20	21.3	-	-
7:21	23.5	-	-
7:22	20.5	-	-
7:23	25.5	-	-
7:24	21.8	-	-
7:25	25.8	-	-
7:26	21.8	23.3	-
7:27	41.0	24.2	-
7:28	30.2	24.4	-
7:29	21.6	24.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	22.0	23.9	-
7:31	23.6	23.9	-
7:32	24.5	24.2	-
7:33	21.0	24.2	-
7:34	42.8	25.8	-
7:35	33.3	26.6	-
7:36	21.0	26.4	-
7:37	19.3	26.3	-
7:38	20.0	26.0	-
7:39	20.0	25.8	-
7:40	21.3	25.5	-
7:41	21.3	25.5	-
7:42	21.5	24.2	-
7:43	21.8	23.6	-
7:44	21.8	23.7	-
7:45	21.3	23.6	-
7:46	20.3	23.4	-
7:47	24.3	23.4	-
7:48	24.0	23.6	-
7:49	24.8	22.4	-
7:50	26.5	21.9	-
7:51	26.3	22.3	-
7:52	26.5	22.8	-
7:53	22.8	22.9	-
7:54	21.5	23.0	-
7:55	19.5	22.9	-
7:56	21.5	22.9	-
7:57	21.8	23.0	-
7:58	24.0	23.1	-
7:59	22.5	23.2	-
8:00	22.3	23.2	-
8:01	22.0	23.3	-
8:02	22.8	23.2	-
8:03	29.5	23.6	-
8:04	56.3	25.7	-
8:05	32.8	26.1	-
8:06	27.0	26.2	-
8:07	27.3	26.2	-
8:08	26.5	26.5	-
8:09	29.8	27.0	-
8:10	35.3	28.1	-
8:11	23.8	28.2	-
8:12	25.0	28.4	-
8:13	24.3	28.5	-
8:14	23.3	28.5	-
8:15	20.3	28.4	-
8:16	22.8	28.4	-
8:17	24.5	28.5	-
8:18	21.8	28.0	-
8:19	21.8	25.7	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	21.5	25.0	-
8:21	20.3	24.5	-
8:22	20.3	24.1	-
8:23	23.8	23.9	-
8:24	22.3	23.4	-
8:25	22.8	22.5	-
8:26	22.8	22.5	-
8:27	22.5	22.3	-
8:28	26.0	22.4	-
8:29	22.8	22.4	-
8:30	27.3	22.9	-
8:31	22.5	22.8	-
8:32	22.5	22.7	-
8:33	20.0	22.6	-
8:34	19.5	22.4	-
8:35	20.0	22.3	-
8:36	20.8	22.4	-
8:37	22.8	22.5	-
8:38	24.4	22.6	-
8:39	24.4	22.7	-
8:40	21.4	22.6	-
8:41	23.0	22.6	-
8:42	20.8	22.5	-
8:43	20.8	22.2	-
8:44	20.0	22.0	-
8:45	29.5	22.2	-
8:46	50.3	24.0	-
8:47	84.3	28.1	-
8:48	36.3	29.2	-
8:49	19.3	29.2	-
8:50	20.8	29.2	-
8:51	19.8	29.2	-
8:52	22.5	29.2	-
8:53	24.8	29.2	-
8:54	35.8	29.9	-
8:55	35.8	30.9	-
8:56	20.3	30.7	-
8:57	28.0	31.2	-
8:58	34.0	32.1	-
8:59	43.0	33.6	-
9:00	31.8	33.8	-
9:01	18.8	31.7	-
9:02	20.0	27.4	-
9:03	23.8	26.5	-
9:04	27.5	27.1	-
9:05	24.8	27.4	-
9:06	24.0	27.6	-
9:07	24.5	27.8	-
9:08	28.8	28.0	-
9:09	40.5	28.4	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
9:10	24.0	27.6	-
9:11	25.5	27.9	-
9:12	23.8	27.6	-
9:13	21.8	26.8	-
9:14	20.5	25.3	-
9:15	23.8	24.8	-
9:16	22.0	25.0	-
9:17	21.0	25.1	-
9:18	24.0	25.1	-
9:19	21.5	24.7	-
9:20	26.3	24.8	-
9:21	48.3	26.4	-
9:22	41.8	27.6	-
9:23	30.0	27.6	-
9:24	23.8	26.5	-
9:25	26.5	26.7	-
9:26	25.0	26.7	-
9:27	21.3	26.5	-
9:28	20.5	26.4	-
9:29	20.0	26.4	-
9:30	21.3	26.2	-
9:31	21.0	26.1	-
9:32	74.8	29.7	-
9:33	1224.5	109.8	-
9:34	516.5	142.8	X
9:35	72.3	145.8	X
9:36	364.8	166.9	X
9:37	212.8	178.3	X
9:38	27.5	178.2	X
9:39	316.0	197.6	X
9:40	149.0	205.8	X
9:41	288.0	223.3	X
9:42	49.8	225.2	X
9:43	66.0	228.3	X
9:44	178.3	238.8	X
9:45	47.8	240.6	X
9:46	26.8	241.0	X
9:47	23.2	237.5	X
9:48	23.8	157.5	X
9:49	143.0	132.6	X
9:50	229.8	143.1	X
9:51	169.4	130.1	X
9:52	52.6	119.4	-
9:53	36.8	120.0	-
9:54	29.3	100.9	-
9:55	108.0	98.2	-
9:56	147.5	88.8	-
9:57	294.8	105.1	-
9:58	222.8	115.6	-
9:59	39.0	106.3	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	26.8	104.9	-
10:01	30.5	105.1	-
10:02	53.8	107.2	-
10:03	170.0	116.9	-
10:04	88.8	113.3	-
10:05	57.0	101.8	-
10:06	409.5	117.8	-
10:07	72.8	119.1	-
10:08	22.3	118.2	-
10:09	24.0	117.8	-
10:10	23.8	112.2	-
10:11	127.3	110.9	-
10:12	423.0	119.4	-
10:13	78.5	109.8	-
10:14	38.0	109.7	-
10:15	186.3	120.4	-
10:16	938.8	180.9	X
10:17	505.5	211.0	X
10:18	79.0	205.0	X
10:19	24.8	200.7	X
10:20	231.0	212.3	X
10:21	465.8	216.0	X
10:22	81.3	216.6	X
10:23	62.8	219.3	X
10:24	43.0	220.6	X
10:25	21.5	220.4	X
10:26	22.0	213.4	X
10:27	87.0	191.0	X
10:28	336.0	208.2	X
10:29	217.0	220.1	X
10:30	68.5	212.3	X
10:31	32.3	151.8	X
10:32	26.3	119.9	-
10:33	27.0	116.4	-
10:34	34.5	117.1	-
10:35	32.8	103.8	-
10:36	31.5	74.9	-
10:37	21.8	70.9	-
10:38	26.0	68.5	-
10:39	25.0	67.3	-
10:40	20.8	67.2	-
10:41	22.3	67.2	-
10:42	21.5	62.9	-
10:43	24.0	42.1	-
10:44	25.0	29.3	-
10:45	27.0	26.5	-
10:46	30.3	26.4	-
10:47	27.8	26.5	-
10:48	21.8	26.1	-
10:49	19.0	25.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	19.0	24.2	-
10:51	20.3	23.4	-
10:52	27.5	23.8	-
10:53	23.8	23.7	-
10:54	21.0	23.4	-
10:55	19.8	23.3	-
10:56	23.5	23.4	-
10:57	23.5	23.5	-
10:58	38.3	24.5	-
10:59	29.8	24.8	-
11:00	21.8	24.5	-
11:01	21.4	23.9	-
11:02	22.5	23.5	-
11:03	20.5	23.4	-
11:04	19.3	23.4	-
11:05	22.0	23.6	-
11:06	19.3	23.6	-
11:07	27.0	23.5	-
11:08	68.0	26.5	-
11:09	61.8	29.2	-
11:10	69.5	32.5	-
11:11	32.5	33.1	-
11:12	44.0	34.5	-
11:13	25.8	33.7	-
11:14	26.0	33.4	-
11:15	30.3	34.0	-
11:16	25.8	34.3	-
11:17	19.8	34.1	-
11:18	20.0	34.1	-
11:19	37.0	35.2	-
11:20	37.8	36.3	-
11:21	30.3	37.0	-
11:22	31.0	37.3	-
11:23	20.5	34.1	-
11:24	19.0	31.3	-
11:25	26.0	28.4	-
11:26	26.3	28.0	-
11:27	23.5	26.6	-
11:28	35.0	27.2	-
11:29	21.5	26.9	-
11:30	18.8	26.1	-
11:31	23.3	26.0	-
11:32	40.0	27.3	-
11:33	31.8	28.1	-
11:34	23.0	27.2	-
11:35	21.0	26.1	-
11:36	28.0	25.9	-
11:37	31.0	25.9	-
11:38	42.3	27.4	-
11:39	26.5	27.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	22.3	27.6	-
11:41	34.3	28.1	-
11:42	35.8	29.0	-
11:43	26.3	28.4	-
11:44	18.0	28.1	-
11:45	18.3	28.1	-
11:46	27.8	28.4	-
11:47	33.0	27.9	-
11:48	28.5	27.7	-
11:49	19.0	27.5	-
11:50	19.5	27.4	-
11:51	26.5	27.3	-
11:52	30.3	27.2	-
11:53	24.0	26.0	-
11:54	18.5	25.5	-
11:55	17.3	25.1	-
11:56	26.8	24.6	-
11:57	27.3	24.1	-
11:58	33.0	24.5	-
11:59	42.0	26.1	-
12:00	21.8	26.3	-
12:01	26.3	26.2	-
12:02	37.5	26.5	-
12:03	39.0	27.2	-
12:04	28.3	27.9	-
12:05	23.5	28.1	-
12:06	25.8	28.1	-
12:07	20.8	27.4	-
12:08	23.5	27.4	-
12:09	21.0	27.6	-
12:10	18.0	27.6	-
12:11	21.2	27.2	-
12:12	31.5	27.5	-
12:13	26.3	27.1	-
12:14	16.8	25.4	-
12:15	19.8	25.3	-
12:16	17.5	24.7	-
12:17	16.3	23.3	-
12:18	17.5	21.8	-
12:19	25.0	21.6	-
12:20	24.5	21.7	-
12:21	17.8	21.1	-
12:22	18.8	21.0	-
12:23	18.3	20.7	-
12:24	16.3	20.3	-
12:25	16.0	20.2	-
12:26	17.8	20.0	-
12:27	17.8	19.1	-
12:28	21.8	18.8	-
12:29	19.8	19.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	15.5	18.7	-
12:31	14.0	18.5	-
12:32	14.0	18.3	-
12:33	16.0	18.2	-
12:34	21.8	18.0	-
12:35	26.5	18.1	-
12:36	22.8	18.5	-
12:37	20.3	18.6	-
12:38	19.3	18.6	-
12:39	22.5	19.0	-
12:40	23.5	19.5	-
12:41	22.8	19.9	-
12:42	27.3	20.5	-
12:43	43.0	21.9	-
12:44	28.3	22.5	-
12:45	18.8	22.7	-
12:46	19.3	23.1	-
12:47	21.0	23.5	-
12:48	18.8	23.7	-
12:49	24.3	23.9	-
12:50	44.8	25.1	-
12:51	40.3	26.3	-
12:52	137.8	34.1	-
12:53	55.8	36.5	-
12:54	49.8	38.3	-
12:55	33.8	39.0	-
12:56	32.0	39.6	-
12:57	62.8	42.0	-
12:58	30.8	41.2	-
12:59	24.5	40.9	-
13:00	33.5	41.9	-
13:01	34.8	43.0	-
13:02	30.3	43.6	-
13:03	19.0	43.6	-
13:04	26.3	43.7	-
13:05	21.3	42.2	-
13:06	27.3	41.3	-
13:07	16.5	33.2	-
13:08	177.8	41.3	-
13:09	170.8	49.4	-
13:10	79.5	52.5	-
13:11	25.3	52.0	-
13:12	26.5	49.6	-
13:13	49.0	50.8	-
13:14	46.0	52.2	-
13:15	38.0	52.5	-
13:16	25.0	51.9	-
13:17	47.0	53.0	-
13:18	71.0	56.5	-
13:19	133.0	63.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	80.6	67.5	-
13:21	75.8	70.8	-
13:22	39.3	72.3	-
13:23	29.5	62.4	-
13:24	24.0	52.6	-
13:25	18.3	48.5	-
13:26	23.5	48.4	-
13:27	23.8	48.2	-
13:28	23.8	46.6	-
13:29	20.5	44.9	-
13:30	36.8	44.8	-
13:31	57.3	46.9	-
13:32	55.5	47.5	-
13:33	48.0	46.0	-
13:34	35.0	39.4	-
13:35	29.5	36.0	-
13:36	32.0	33.1	-
13:37	43.8	33.4	-
13:38	59.0	35.4	-
13:39	74.3	38.7	-
13:40	124.3	45.8	-
13:41	110.3	51.6	-
13:42	146.3	59.7	-
13:43	45.3	61.2	-
13:44	32.3	62.0	-
13:45	102.3	66.3	-
13:46	102.8	69.4	-
13:47	150.8	75.7	-
13:48	81.3	77.9	-
13:49	39.0	78.2	-
13:50	60.5	80.3	-
13:51	154.0	88.4	-
13:52	203.0	99.0	-
13:53	33.0	97.3	-
13:54	21.8	93.8	-
13:55	33.8	87.7	-
13:56	36.3	82.8	-
13:57	38.3	75.6	-
13:58	44.0	75.5	-
13:59	21.3	74.8	-
14:00	21.0	69.4	-
14:01	23.3	64.1	-
14:02	21.8	55.5	-
14:03	31.3	52.1	-
14:04	42.8	52.4	-
14:05	22.0	49.8	-
14:06	21.3	41.0	-
14:07	20.0	28.8	-
14:08	44.0	29.5	-
14:09	41.8	30.8	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	26.5	30.4	-
14:11	37.5	30.4	-
14:12	101.0	34.6	-
14:13	103.5	38.6	-
14:14	29.3	39.1	-
14:15	20.3	39.1	-
14:16	28.0	39.4	-
14:17	60.0	41.9	-
14:18	72.5	44.7	-
14:19	57.3	45.7	-
14:20	47.0	47.3	-
14:21	52.5	49.4	-
14:22	42.8	50.9	-
14:23	45.8	51.0	-
14:24	48.3	51.5	-
14:25	34.8	52.0	-
14:26	48.8	52.8	-
14:27	39.0	48.6	-
14:28	36.0	44.1	-
14:29	47.8	45.4	-
14:30	453.8	74.3	-
14:31	729.3	121.0	-
14:32	43.5	119.9	-
14:33	38.8	117.7	-
14:34	40.3	116.5	-
14:35	70.5	118.1	-
14:36	32.5	116.8	-
14:37	38.3	116.5	-
14:38	44.0	116.4	-
14:39	17.3	114.3	-
14:40	19.0	113.2	-
14:41	26.0	111.7	-
14:42	80.8	114.5	-
14:43	72.5	116.9	-
14:44	63.3	118.0	-
14:45	38.3	90.3	-
14:46	39.3	44.3	-
14:47	50.5	44.7	-
14:48	42.0	45.0	-
14:49	44.5	45.2	-
14:50	26.8	42.3	-
14:51	26.3	41.9	-
14:52	21.8	40.8	-
14:53	39.8	40.5	-
14:54	27.5	41.2	-
14:55	25.8	41.7	-
14:56	48.3	43.1	-
14:57	78.3	43.0	-
14:58	77.0	43.3	-
14:59	89.0	45.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	82.0	47.9	-
15:01	37.0	47.8	-
15:02	39.0	47.0	-
15:03	41.3	46.9	-
15:04	56.3	47.7	-
15:05	121.8	54.1	-
15:06	130.8	61.0	-
15:07	79.5	64.9	-
15:08	158.0	72.8	-
15:09	49.5	74.2	-
15:10	30.5	74.5	-
15:11	40.0	74.0	-
15:12	125.3	77.1	-
15:13	161.8	82.8	-
15:14	189.8	89.5	-
15:15	82.5	89.5	-
15:16	108.8	94.3	-
15:17	46.0	94.8	-
15:18	15.5	93.1	-
15:19	16.3	90.4	-
15:20	35.5	84.6	-
15:21	37.0	78.4	-
15:22	22.5	74.6	-
15:23	20.0	65.4	-
15:24	23.5	63.7	-
15:25	45.8	64.7	-
15:26	37.8	64.5	-
15:27	23.0	57.7	-
15:28	17.5	48.1	-
15:29	48.3	38.7	-
15:30	57.0	37.0	-
15:31	20.0	31.0	-
15:32	15.5	29.0	-
15:33	16.8	29.1	-
15:34	29.5	30.0	-
15:35	40.5	30.3	-
15:36	28.4	29.7	-
15:37	32.6	30.4	-
15:38	21.3	30.5	-
15:39	23.2	30.5	-
15:40	29.6	29.4	-
15:41	34.6	29.2	-
15:42	19.6	29.0	-
15:43	35.3	30.1	-
15:44	45.8	30.0	-
15:45	22.0	27.6	-
15:46	17.8	27.5	-
15:47	21.0	27.9	-
15:48	17.3	27.9	-
15:49	15.0	26.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:50	16.5	25.3	-
15:51	17.8	24.6	-
15:52	19.5	23.7	-
15:53	21.8	23.8	-
15:54	20.3	23.6	-
15:55	18.8	22.8	-
15:56	16.8	21.7	-
15:57	14.3	21.3	-
15:58	14.3	19.9	-
15:59	14.3	17.8	-
16:00	13.3	17.2	-
16:01	13.3	16.9	-
16:02	15.5	16.6	-
16:03	16.0	16.5	-
16:04	15.8	16.5	-
16:05	13.0	16.3	-
16:06	13.3	16.0	-
16:07	16.8	15.8	-
16:08	20.8	15.7	-
16:09	15.0	15.4	-
16:10	16.5	15.2	-
16:11	20.8	15.5	-
16:12	20.0	15.9	-
16:13	19.5	16.2	-
16:14	27.3	17.1	-
16:15	116.5	24.0	-
16:16	39.8	25.8	-
16:17	23.8	26.3	-
16:18	20.3	26.6	-
16:19	17.0	26.7	-
16:20	20.0	27.1	-
16:21	24.0	27.9	-
16:22	55.3	30.4	-
16:23	42.3	31.9	-
16:24	20.3	32.2	-
16:25	47.8	34.3	-
16:26	41.8	35.7	-
16:27	40.0	37.0	-
16:28	33.5	38.0	-
16:29	16.0	37.2	-
16:30	15.8	30.5	-
16:31	24.3	29.5	-
16:32	15.8	28.9	-
16:33	18.8	28.8	-
16:34	21.0	29.1	-
16:35	14.5	28.7	-
16:36	15.8	28.2	-
16:37	19.3	25.8	-
16:38	20.5	24.3	-
16:39	45.0	26.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
16:40	190.3	35.5	-
16:41	104.5	39.7	-
16:42	129.5	45.6	-
16:43	146.0	53.1	-
16:44	29.5	54.0	-
16:45	80.5	58.3	-
16:46	83.0	62.3	-
16:47	43.8	64.1	-
16:48	40.8	65.6	-
16:49	65.3	68.5	-
16:50	63.8	71.8	-
16:51	50.0	74.1	-
16:52	25.8	74.5	-
16:53	18.5	74.4	-
16:54	38.0	73.9	-
16:55	36.5	63.7	-
16:56	20.0	58.1	-
16:57	18.5	50.7	-
16:58	17.0	42.1	-
16:59	18.3	41.3	-
17:00	18.8	37.2	-
17:01	18.5	32.9	-
17:02	23.0	31.5	-
17:03	27.5	30.6	-
17:04	25.3	28.0	-
17:05	22.5	25.2	-
17:06	17.5	23.0	-
17:07	23.0	22.9	-
17:08	21.8	23.1	-
17:09	20.8	21.9	-
17:10	20.0	20.8	-
17:11	31.5	21.6	-
17:12	41.8	23.1	-
17:13	46.0	25.1	-
17:14	46.3	26.9	-
17:15	35.3	28.0	-
17:16	18.8	28.1	-
17:17	28.3	28.4	-
17:18	23.5	28.1	-
17:19	33.3	28.7	-
17:20	30.0	29.2	-
17:21	20.3	29.4	-
17:22	23.8	29.4	-
17:23	19.8	29.3	-
17:24	20.5	29.3	-
17:25	22.5	29.4	-
17:26	19.0	28.6	-
17:27	20.3	27.2	-
17:28	20.8	25.5	-
17:29	17.8	23.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
17:30	22.5	22.7	-
17:31	28.8	23.4	-
17:32	50.8	24.9	-
17:33	28.0	25.2	-
17:34	18.0	24.2	-
17:35	102.5	29.0	-
17:36	34.3	29.9	-
17:37	19.3	29.6	-
17:38	18.0	29.5	-
17:39	18.0	29.4	-
17:40	17.5	29.0	-
17:41	-	-	-

Wednesday, July 13, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			7:09
End Time:			17:40
PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	0.0	-	-
7:10	0.0	-	-
7:11	0.0	-	-
7:12	0.0	-	-
7:13	0.0	-	-
7:14	0.0	-	-
7:15	0.0	-	-
7:16	0.0	-	-
7:17	0.0	-	-
7:18	0.0	-	-
7:19	0.0	-	-
7:20	0.0	-	-
7:21	0.0	-	-
7:22	0.0	-	-
7:23	0.0	-	-
7:24	0.0	0.0	-
7:25	0.0	0.0	-
7:26	0.0	0.0	-
7:27	0.0	0.0	-
7:28	0.0	0.0	-
7:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
7:30	0.0	0.0	-
7:31	0.0	0.0	-
7:32	0.0	0.0	-
7:33	0.0	0.0	-
7:34	0.0	0.0	-
7:35	0.0	0.0	-
7:36	0.0	0.0	-
7:37	0.0	0.0	-
7:38	0.0	0.0	-
7:39	0.0	0.0	-
7:40	0.0	0.0	-
7:41	0.0	0.0	-
7:42	0.0	0.0	-
7:43	0.0	0.0	-
7:44	0.0	0.0	-
7:45	0.0	0.0	-
7:46	0.0	0.0	-
7:47	0.0	0.0	-
7:48	0.0	0.0	-
7:49	0.0	0.0	-
7:50	0.0	0.0	-
7:51	0.0	0.0	-
7:52	0.0	0.0	-
7:53	0.0	0.0	-
7:54	0.0	0.0	-
7:55	0.0	0.0	-
7:56	0.0	0.0	-
7:57	0.0	0.0	-
7:58	0.0	0.0	-
7:59	0.0	0.0	-
8:00	0.0	0.0	-
8:01	0.0	0.0	-
8:02	0.0	0.0	-
8:03	0.0	0.0	-
8:04	0.0	0.0	-
8:05	0.0	0.0	-
8:06	0.0	0.0	-
8:07	0.0	0.0	-
8:08	0.0	0.0	-
8:09	0.0	0.0	-
8:10	0.0	0.0	-
8:11	0.0	0.0	-
8:12	0.0	0.0	-
8:13	0.0	0.0	-
8:14	0.0	0.0	-
8:15	0.0	0.0	-
8:16	0.0	0.0	-
8:17	0.0	0.0	-
8:18	0.0	0.0	-
8:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:20	0.0	0.0	-
8:21	0.0	0.0	-
8:22	0.0	0.0	-
8:23	0.0	0.0	-
8:24	0.0	0.0	-
8:25	0.0	0.0	-
8:26	0.0	0.0	-
8:27	0.0	0.0	-
8:28	0.0	0.0	-
8:29	0.0	0.0	-
8:30	0.0	0.0	-
8:31	0.0	0.0	-
8:32	0.0	0.0	-
8:33	0.0	0.0	-
8:34	0.0	0.0	-
8:35	0.0	0.0	-
8:36	0.0	0.0	-
8:37	0.0	0.0	-
8:38	0.0	0.0	-
8:39	0.0	0.0	-
8:40	0.0	0.0	-
8:41	0.0	0.0	-
8:42	0.0	0.0	-
8:43	0.0	0.0	-
8:44	0.0	0.0	-
8:45	0.0	0.0	-
8:46	0.0	0.0	-
8:47	0.0	0.0	-
8:48	0.0	0.0	-
8:49	0.0	0.0	-
8:50	0.0	0.0	-
8:51	0.0	0.0	-
8:52	0.0	0.0	-
8:53	0.0	0.0	-
8:54	0.0	0.0	-
8:55	0.0	0.0	-
8:56	0.0	0.0	-
8:57	0.0	0.0	-
8:58	0.0	0.0	-
8:59	0.0	0.0	-
9:00	0.0	0.0	-
9:01	0.0	0.0	-
9:02	0.0	0.0	-
9:03	0.0	0.0	-
9:04	0.0	0.0	-
9:05	0.0	0.0	-
9:06	0.0	0.0	-
9:07	0.0	0.0	-
9:08	0.0	0.0	-
9:09	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
9:10	0.0	0.0	-
9:11	0.0	0.0	-
9:12	0.0	0.0	-
9:13	0.0	0.0	-
9:14	0.0	0.0	-
9:15	0.0	0.0	-
9:16	0.0	0.0	-
9:17	0.0	0.0	-
9:18	0.0	0.0	-
9:19	0.0	0.0	-
9:20	0.0	0.0	-
9:21	0.0	0.0	-
9:22	0.0	0.0	-
9:23	0.0	0.0	-
9:24	0.0	0.0	-
9:25	0.0	0.0	-
9:26	0.0	0.0	-
9:27	0.0	0.0	-
9:28	0.0	0.0	-
9:29	0.0	0.0	-
9:30	0.0	0.0	-
9:31	0.0	0.0	-
9:32	0.0	0.0	-
9:33	0.0	0.0	-
9:34	0.0	0.0	-
9:35	0.0	0.0	-
9:36	0.0	0.0	-
9:37	0.0	0.0	-
9:38	0.0	0.0	-
9:39	0.0	0.0	-
9:40	0.0	0.0	-
9:41	0.0	0.0	-
9:42	0.0	0.0	-
9:43	0.0	0.0	-
9:44	0.0	0.0	-
9:45	0.0	0.0	-
9:46	0.0	0.0	-
9:47	0.0	0.0	-
9:48	0.0	0.0	-
9:49	0.0	0.0	-
9:50	0.0	0.0	-
9:51	0.0	0.0	-
9:52	0.0	0.0	-
9:53	0.0	0.0	-
9:54	0.0	0.0	-
9:55	0.0	0.0	-
9:56	0.0	0.0	-
9:57	0.0	0.0	-
9:58	0.0	0.0	-
9:59	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:00	0.0	0.0	-
10:01	0.0	0.0	-
10:02	0.0	0.0	-
10:03	0.0	0.0	-
10:04	0.0	0.0	-
10:05	0.0	0.0	-
10:06	0.0	0.0	-
10:07	0.0	0.0	-
10:08	0.0	0.0	-
10:09	0.0	0.0	-
10:10	0.0	0.0	-
10:11	0.0	0.0	-
10:12	0.0	0.0	-
10:13	0.0	0.0	-
10:14	0.0	0.0	-
10:15	0.0	0.0	-
10:16	0.0	0.0	-
10:17	0.0	0.0	-
10:18	0.0	0.0	-
10:19	0.0	0.0	-
10:20	0.0	0.0	-
10:21	0.0	0.0	-
10:22	0.0	0.0	-
10:23	0.0	0.0	-
10:24	0.0	0.0	-
10:25	0.0	0.0	-
10:26	0.0	0.0	-
10:27	0.0	0.0	-
10:28	0.0	0.0	-
10:29	0.0	0.0	-
10:30	0.0	0.0	-
10:31	0.0	0.0	-
10:32	0.0	0.0	-
10:33	0.0	0.0	-
10:34	0.0	0.0	-
10:35	0.0	0.0	-
10:36	0.0	0.0	-
10:37	0.0	0.0	-
10:38	0.0	0.0	-
10:39	0.0	0.0	-
10:40	0.0	0.0	-
10:41	0.0	0.0	-
10:42	0.0	0.0	-
10:43	0.0	0.0	-
10:44	0.0	0.0	-
10:45	0.0	0.0	-
10:46	0.0	0.0	-
10:47	0.0	0.0	-
10:48	0.0	0.0	-
10:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:50	0.0	0.0	-
10:51	0.0	0.0	-
10:52	0.0	0.0	-
10:53	0.0	0.0	-
10:54	0.0	0.0	-
10:55	0.0	0.0	-
10:56	0.0	0.0	-
10:57	0.0	0.0	-
10:58	0.0	0.0	-
10:59	0.0	0.0	-
11:00	0.0	0.0	-
11:01	0.0	0.0	-
11:02	0.0	0.0	-
11:03	0.0	0.0	-
11:04	0.0	0.0	-
11:05	0.0	0.0	-
11:06	0.0	0.0	-
11:07	0.0	0.0	-
11:08	0.0	0.0	-
11:09	0.0	0.0	-
11:10	0.0	0.0	-
11:11	0.0	0.0	-
11:12	0.0	0.0	-
11:13	0.0	0.0	-
11:14	0.0	0.0	-
11:15	0.0	0.0	-
11:16	0.0	0.0	-
11:17	0.0	0.0	-
11:18	0.0	0.0	-
11:19	0.0	0.0	-
11:20	0.0	0.0	-
11:21	0.0	0.0	-
11:22	0.0	0.0	-
11:23	0.0	0.0	-
11:24	0.0	0.0	-
11:25	0.0	0.0	-
11:26	0.0	0.0	-
11:27	0.0	0.0	-
11:28	0.0	0.0	-
11:29	0.0	0.0	-
11:30	0.0	0.0	-
11:31	0.0	0.0	-
11:32	0.0	0.0	-
11:33	0.0	0.0	-
11:34	0.0	0.0	-
11:35	0.0	0.0	-
11:36	0.0	0.0	-
11:37	0.0	0.0	-
11:38	0.0	0.0	-
11:39	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
11:40	0.0	0.0	-
11:41	0.0	0.0	-
11:42	0.0	0.0	-
11:43	0.0	0.0	-
11:44	0.0	0.0	-
11:45	0.0	0.0	-
11:46	0.0	0.0	-
11:47	0.0	0.0	-
11:48	0.0	0.0	-
11:49	0.0	0.0	-
11:50	0.0	0.0	-
11:51	0.0	0.0	-
11:52	0.0	0.0	-
11:53	0.0	0.0	-
11:54	0.0	0.0	-
11:55	0.0	0.0	-
11:56	0.0	0.0	-
11:57	0.0	0.0	-
11:58	0.0	0.0	-
11:59	0.0	0.0	-
12:00	0.0	0.0	-
12:01	0.0	0.0	-
12:02	0.0	0.0	-
12:03	0.0	0.0	-
12:04	0.0	0.0	-
12:05	0.0	0.0	-
12:06	0.0	0.0	-
12:07	0.0	0.0	-
12:08	0.0	0.0	-
12:09	0.0	0.0	-
12:10	0.0	0.0	-
12:11	0.0	0.0	-
12:12	0.0	0.0	-
12:13	0.0	0.0	-
12:14	0.0	0.0	-
12:15	0.0	0.0	-
12:16	0.0	0.0	-
12:17	0.0	0.0	-
12:18	0.0	0.0	-
12:19	0.0	0.0	-
12:20	0.0	0.0	-
12:21	0.0	0.0	-
12:22	0.0	0.0	-
12:23	0.0	0.0	-
12:24	0.0	0.0	-
12:25	0.0	0.0	-
12:26	0.0	0.0	-
12:27	0.0	0.0	-
12:28	0.0	0.0	-
12:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
12:30	0.0	0.0	-
12:31	0.0	0.0	-
12:32	0.0	0.0	-
12:33	0.0	0.0	-
12:34	0.0	0.0	-
12:35	0.0	0.0	-
12:36	0.0	0.0	-
12:37	0.0	0.0	-
12:38	0.0	0.0	-
12:39	0.0	0.0	-
12:40	0.0	0.0	-
12:41	0.0	0.0	-
12:42	0.0	0.0	-
12:43	0.0	0.0	-
12:44	0.0	0.0	-
12:45	0.0	0.0	-
12:46	0.0	0.0	-
12:47	0.0	0.0	-
12:48	0.0	0.0	-
12:49	0.0	0.0	-
12:50	0.0	0.0	-
12:51	0.0	0.0	-
12:52	0.0	0.0	-
12:53	0.0	0.0	-
12:54	0.0	0.0	-
12:55	0.0	0.0	-
12:56	0.0	0.0	-
12:57	0.0	0.0	-
12:58	0.0	0.0	-
12:59	0.0	0.0	-
13:00	0.0	0.0	-
13:01	0.0	0.0	-
13:02	0.0	0.0	-
13:03	0.0	0.0	-
13:04	0.0	0.0	-
13:05	0.0	0.0	-
13:06	0.0	0.0	-
13:07	0.0	0.0	-
13:08	0.0	0.0	-
13:09	0.0	0.0	-
13:10	0.0	0.0	-
13:11	0.0	0.0	-
13:12	0.0	0.0	-
13:13	0.0	0.0	-
13:14	0.0	0.0	-
13:15	0.0	0.0	-
13:16	0.0	0.0	-
13:17	0.0	0.0	-
13:18	0.0	0.0	-
13:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
13:20	0.0	0.0	-
13:21	0.0	0.0	-
13:22	0.0	0.0	-
13:23	0.0	0.0	-
13:24	0.0	0.0	-
13:25	0.0	0.0	-
13:26	0.0	0.0	-
13:27	0.0	0.0	-
13:28	0.0	0.0	-
13:29	0.0	0.0	-
13:30	0.0	0.0	-
13:31	0.0	0.0	-
13:32	0.0	0.0	-
13:33	0.0	0.0	-
13:34	0.0	0.0	-
13:35	0.0	0.0	-
13:36	0.0	0.0	-
13:37	0.0	0.0	-
13:38	0.0	0.0	-
13:39	0.0	0.0	-
13:40	0.0	0.0	-
13:41	0.0	0.0	-
13:42	0.0	0.0	-
13:43	0.0	0.0	-
13:44	0.0	0.0	-
13:45	0.0	0.0	-
13:46	0.0	0.0	-
13:47	0.0	0.0	-
13:48	0.0	0.0	-
13:49	0.0	0.0	-
13:50	0.0	0.0	-
13:51	0.0	0.0	-
13:52	0.0	0.0	-
13:53	0.0	0.0	-
13:54	0.0	0.0	-
13:55	0.0	0.0	-
13:56	0.0	0.0	-
13:57	0.0	0.0	-
13:58	0.0	0.0	-
13:59	0.0	0.0	-
14:00	0.0	0.0	-
14:01	0.0	0.0	-
14:02	0.0	0.0	-
14:03	0.0	0.0	-
14:04	0.0	0.0	-
14:05	0.0	0.0	-
14:06	0.0	0.0	-
14:07	0.0	0.0	-
14:08	0.0	0.0	-
14:09	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
14:10	0.0	0.0	-
14:11	0.0	0.0	-
14:12	0.0	0.0	-
14:13	0.0	0.0	-
14:14	0.0	0.0	-
14:15	0.0	0.0	-
14:16	0.0	0.0	-
14:17	0.0	0.0	-
14:18	0.0	0.0	-
14:19	0.0	0.0	-
14:20	0.0	0.0	-
14:21	0.0	0.0	-
14:22	0.0	0.0	-
14:23	0.0	0.0	-
14:24	0.0	0.0	-
14:25	0.0	0.0	-
14:26	0.0	0.0	-
14:27	0.0	0.0	-
14:28	0.0	0.0	-
14:29	0.0	0.0	-
14:30	0.0	0.0	-
14:31	0.0	0.0	-
14:32	0.0	0.0	-
14:33	0.0	0.0	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
15:00	0.0	0.0	-
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	0.0	0.0	-
15:43	0.0	0.0	-
15:44	0.0	0.0	-
15:45	0.0	0.0	-
15:46	0.0	0.0	-
15:47	0.0	0.0	-
15:48	0.0	0.0	-
15:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:50	0.0	0.0	-
15:51	0.0	0.0	-
15:52	0.0	0.0	-
15:53	0.0	0.0	-
15:54	0.0	0.0	-
15:55	0.0	0.0	-
15:56	0.0	0.0	-
15:57	0.0	0.0	-
15:58	0.0	0.0	-
15:59	0.0	0.0	-
16:00	0.0	0.0	-
16:01	0.0	0.0	-
16:02	0.0	0.0	-
16:03	0.0	0.0	-
16:04	0.0	0.0	-
16:05	0.0	0.0	-
16:06	0.0	0.0	-
16:07	0.0	0.0	-
16:08	0.0	0.0	-
16:09	0.0	0.0	-
16:10	0.0	0.0	-
16:11	0.0	0.0	-
16:12	0.0	0.0	-
16:13	0.0	0.0	-
16:14	0.0	0.0	-
16:15	0.0	0.0	-
16:16	0.0	0.0	-
16:17	0.0	0.0	-
16:18	0.0	0.0	-
16:19	0.0	0.0	-
16:20	0.0	0.0	-
16:21	0.0	0.0	-
16:22	0.0	0.0	-
16:23	0.0	0.0	-
16:24	0.0	0.0	-
16:25	0.0	0.0	-
16:26	0.0	0.0	-
16:27	0.0	0.0	-
16:28	0.0	0.0	-
16:29	0.0	0.0	-
16:30	0.0	0.0	-
16:31	0.0	0.0	-
16:32	0.0	0.0	-
16:33	0.0	0.0	-
16:34	0.0	0.0	-
16:35	0.0	0.0	-
16:36	0.0	0.0	-
16:37	0.0	0.0	-
16:38	0.0	0.0	-
16:39	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
16:40	0.0	0.0	-
16:41	0.0	0.0	-
16:42	0.0	0.0	-
16:43	0.0	0.0	-
16:44	0.0	0.0	-
16:45	0.0	0.0	-
16:46	0.0	0.0	-
16:47	0.0	0.0	-
16:48	0.0	0.0	-
16:49	0.0	0.0	-
16:50	0.0	0.0	-
16:51	0.0	0.0	-
16:52	0.0	0.0	-
16:53	0.0	0.0	-
16:54	0.0	0.0	-
16:55	0.0	0.0	-
16:56	0.0	0.0	-
16:57	0.0	0.0	-
16:58	0.0	0.0	-
16:59	0.0	0.0	-
17:00	0.0	0.0	-
17:01	0.0	0.0	-
17:02	0.0	0.0	-
17:03	0.0	0.0	-
17:04	0.0	0.0	-
17:05	0.0	0.0	-
17:06	0.0	0.0	-
17:07	0.0	0.0	-
17:08	0.0	0.0	-
17:09	0.0	0.0	-
17:10	0.0	0.0	-
17:11	0.0	0.0	-
17:12	0.0	0.0	-
17:13	0.0	0.0	-
17:14	0.0	0.0	-
17:15	0.0	0.0	-
17:16	0.0	0.0	-
17:17	0.0	0.0	-
17:18	0.0	0.0	-
17:19	0.0	0.0	-
17:20	0.0	0.0	-
17:21	0.0	0.0	-
17:22	0.0	0.0	-
17:23	0.0	0.0	-
17:24	0.0	0.0	-
17:25	0.0	0.0	-
17:26	0.0	0.0	-
17:27	0.0	0.0	-
17:28	0.0	0.0	-
17:29	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
17:30	0.0	0.0	-
17:31	0.0	0.0	-
17:32	0.0	0.0	-
17:33	0.0	0.0	-
17:34	0.0	0.0	-
17:35	0.0	0.0	-
17:36	0.0	0.0	-
17:37	0.0	0.0	-
17:38	0.0	0.0	-
17:39	0.0	0.0	-
17:40	0.0	0.0	-
17:41	-	-	-

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

DAILY AIR MONITORING REPORT

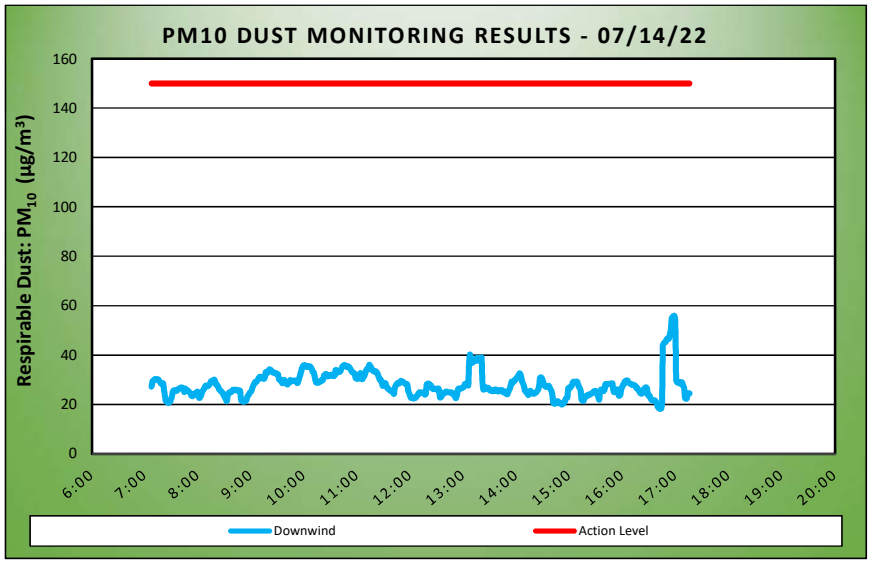
23-30 Borden Ave Site Investigation

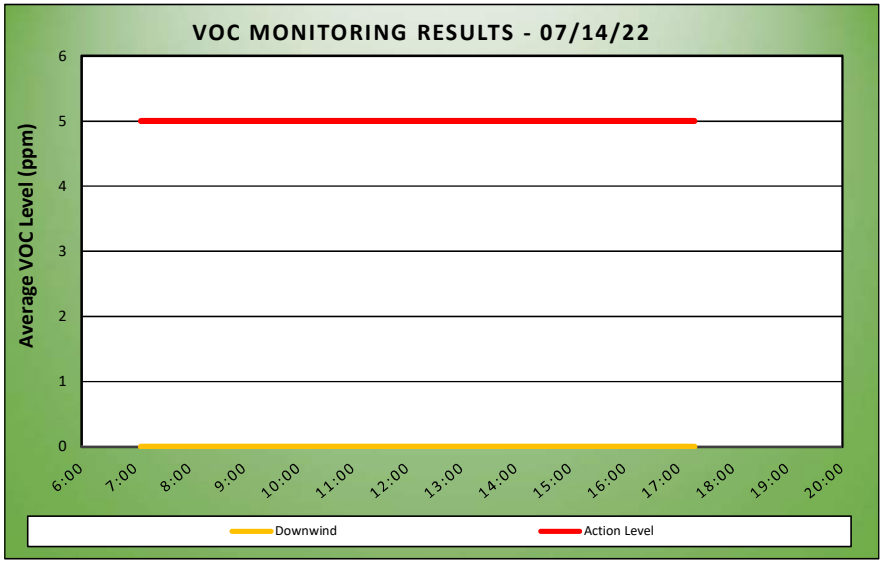
Long Island City, New York

07/14/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	121 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	NNE	Relative Humidity (%)	40.0 - 75.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	72.0 - 88.0	Wind Speed (MPH)	2.2 - 3.2	Barometer (inHg)	29.90 - 30.00			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	28.0	55.8	16:59	0.0	0.0	7:06



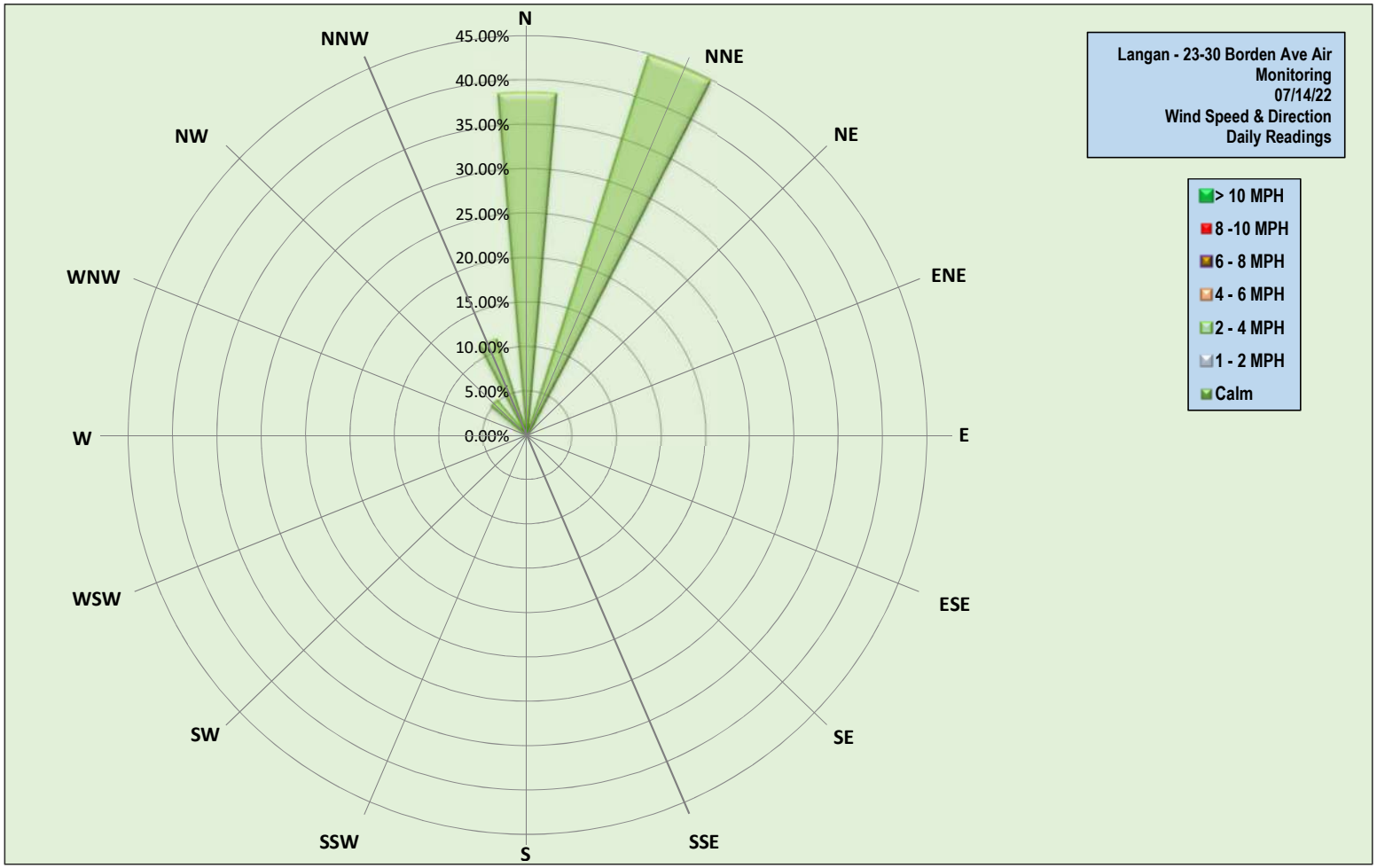


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
45.00%
40.00%
35.00%
30.00%
25.00%
20.00%
15.00%
10.00%
5.00%
0.00%
Langan - 23-30 Borden Ave Air Monitoring
07/14/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm

Thursday, July 14, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			0
Start Time:			6:53
End Time:			17:16
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	21.3	-	-
6:54	21.0	-	-
6:55	19.3	-	-
6:56	17.0	-	-
6:57	20.3	-	-
6:58	20.5	-	-
6:59	17.6	-	-
7:00	18.0	-	-
7:01	22.8	-	-
7:02	25.8	-	-
7:03	26.2	-	-
7:04	30.6	-	-
7:05	22.0	-	-
7:06	26.3	-	-
7:07	60.5	-	-
7:08	61.0	27.3	-
7:09	51.5	29.3	-
7:10	25.0	29.7	-
7:11	23.0	30.1	-
7:12	23.5	30.3	-
7:13	18.0	30.1	-
7:14	17.3	30.1	-
7:15	19.3	30.2	-
7:16	18.8	29.9	-
7:17	16.8	29.3	-
7:18	18.3	28.8	-
7:19	24.0	28.3	-
7:20	23.3	28.4	-
7:21	28.3	28.6	-
7:22	23.3	26.1	-
7:23	22.8	23.5	-
7:24	21.3	21.5	-
7:25	19.0	21.1	-
7:26	18.8	20.8	-
7:27	20.3	20.6	-
7:28	20.8	20.8	-
7:29	23.0	21.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	36.0	22.3	-
7:31	33.0	23.2	-
7:32	45.0	25.1	-
7:33	26.0	25.6	-
7:34	22.3	25.5	-
7:35	25.3	25.7	-
7:36	26.0	25.5	-
7:37	26.3	25.7	-
7:38	30.0	26.2	-
7:39	24.0	26.4	-
7:40	24.0	26.7	-
7:41	20.0	26.8	-
7:42	21.5	26.9	-
7:43	18.3	26.7	-
7:44	17.0	26.3	-
7:45	17.0	25.0	-
7:46	52.5	26.3	-
7:47	41.0	26.1	-
7:48	22.5	25.8	-
7:49	19.0	25.6	-
7:50	20.0	25.3	-
7:51	20.0	24.9	-
7:52	18.3	24.3	-
7:53	19.5	23.6	-
7:54	20.5	23.4	-
7:55	26.0	23.5	-
7:56	29.0	24.1	-
7:57	26.0	24.4	-
7:58	21.3	24.6	-
7:59	19.5	24.8	-
8:00	21.3	25.1	-
8:01	27.8	23.4	-
8:02	28.8	22.6	-
8:03	29.5	23.1	-
8:04	29.3	23.8	-
8:05	37.3	24.9	-
8:06	32.3	25.7	-
8:07	23.8	26.1	-
8:08	29.8	26.8	-
8:09	33.0	27.6	-
8:10	24.8	27.5	-
8:11	28.0	27.5	-
8:12	25.8	27.5	-
8:13	26.5	27.8	-
8:14	29.0	28.4	-
8:15	34.3	29.3	-
8:16	31.5	29.6	-
8:17	30.0	29.6	-
8:18	29.5	29.6	-
8:19	34.8	30.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	21.8	29.0	-
8:21	18.5	28.1	-
8:22	20.8	27.9	-
8:23	20.8	27.3	-
8:24	18.5	26.3	-
8:25	18.8	25.9	-
8:26	21.8	25.5	-
8:27	21.3	25.2	-
8:28	20.5	24.8	-
8:29	22.5	24.3	-
8:30	20.0	23.4	-
8:31	21.8	22.7	-
8:32	20.3	22.1	-
8:33	18.8	21.4	-
8:34	70.8	23.8	-
8:35	34.0	24.6	-
8:36	22.8	24.9	-
8:37	23.8	25.1	-
8:38	19.3	25.0	-
8:39	26.0	25.5	-
8:40	25.8	25.9	-
8:41	19.8	25.8	-
8:42	23.8	26.0	-
8:43	19.3	25.9	-
8:44	19.3	25.7	-
8:45	23.5	25.9	-
8:46	18.5	25.7	-
8:47	18.0	25.5	-
8:48	18.3	25.5	-
8:49	20.8	22.2	-
8:50	21.0	21.3	-
8:51	23.8	21.4	-
8:52	20.0	21.1	-
8:53	21.3	21.3	-
8:54	26.5	21.3	-
8:55	30.0	21.6	-
8:56	39.3	22.9	-
8:57	34.8	23.6	-
8:58	25.8	24.0	-
8:59	30.3	24.8	-
9:00	27.8	25.1	-
9:01	26.8	25.6	-
9:02	35.8	26.8	-
9:03	30.8	27.6	-
9:04	32.3	28.4	-
9:05	31.5	29.1	-
9:06	22.5	29.0	-
9:07	25.5	29.4	-
9:08	29.8	29.9	-
9:09	36.0	30.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
9:10	37.8	31.1	-
9:11	41.5	31.2	-
9:12	25.0	30.6	-
9:13	29.0	30.8	-
9:14	28.5	30.7	-
9:15	23.0	30.4	-
9:16	37.3	31.1	-
9:17	65.8	33.1	-
9:18	31.0	33.1	-
9:19	28.5	32.8	-
9:20	39.7	33.4	-
9:21	34.0	34.1	-
9:22	25.0	34.1	-
9:23	26.0	33.9	-
9:24	29.5	33.4	-
9:25	30.8	33.0	-
9:26	39.8	32.8	-
9:27	25.5	32.9	-
9:28	25.3	32.6	-
9:29	24.5	32.4	-
9:30	23.3	32.4	-
9:31	33.3	32.1	-
9:32	36.8	30.2	-
9:33	30.3	30.1	-
9:34	25.0	29.9	-
9:35	28.3	29.1	-
9:36	26.0	28.6	-
9:37	33.0	29.1	-
9:38	37.8	29.9	-
9:39	21.8	29.4	-
9:40	25.3	29.0	-
9:41	26.5	28.2	-
9:42	26.8	28.2	-
9:43	33.3	28.8	-
9:44	33.0	29.3	-
9:45	31.0	29.9	-
9:46	26.0	29.4	-
9:47	37.8	29.4	-
9:48	31.8	29.5	-
9:49	27.5	29.7	-
9:50	27.5	29.7	-
9:51	23.8	29.5	-
9:52	25.3	29.0	-
9:53	32.5	28.6	-
9:54	35.5	29.6	-
9:55	44.8	30.9	-
9:56	43.0	32.0	-
9:57	47.8	33.4	-
9:58	53.5	34.7	-
9:59	45.3	35.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	34.8	35.8	-
10:01	28.3	35.9	-
10:02	30.3	35.4	-
10:03	30.0	35.3	-
10:04	28.3	35.4	-
10:05	25.3	35.2	-
10:06	27.5	35.5	-
10:07	25.0	35.4	-
10:08	26.5	35.0	-
10:09	26.8	34.5	-
10:10	27.8	33.3	-
10:11	38.8	33.0	-
10:12	29.3	31.8	-
10:13	26.3	30.0	-
10:14	29.8	29.0	-
10:15	32.3	28.8	-
10:16	28.3	28.8	-
10:17	35.5	29.1	-
10:18	29.0	29.1	-
10:19	32.8	29.4	-
10:20	32.5	29.9	-
10:21	25.3	29.7	-
10:22	34.0	30.3	-
10:23	47.8	31.7	-
10:24	30.8	32.0	-
10:25	33.8	32.4	-
10:26	29.0	31.7	-
10:27	24.6	31.4	-
10:28	27.2	31.5	-
10:29	34.4	31.8	-
10:30	29.8	31.6	-
10:31	33.4	32.0	-
10:32	34.5	31.9	-
10:33	25.8	31.7	-
10:34	29.5	31.5	-
10:35	37.3	31.8	-
10:36	56.8	33.9	-
10:37	32.5	33.8	-
10:38	34.8	32.9	-
10:39	36.8	33.3	-
10:40	32.0	33.2	-
10:41	30.0	33.3	-
10:42	33.8	33.9	-
10:43	43.0	34.9	-
10:44	42.3	35.5	-
10:45	33.5	35.7	-
10:46	37.3	36.0	-
10:47	28.5	35.6	-
10:48	24.0	35.5	-
10:49	25.3	35.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	42.0	35.5	-
10:51	52.3	35.2	-
10:52	25.3	34.7	-
10:53	27.5	34.2	-
10:54	26.8	33.6	-
10:55	24.3	33.0	-
10:56	27.0	32.8	-
10:57	31.0	32.7	-
10:58	28.3	31.7	-
10:59	25.3	30.5	-
11:00	37.8	30.8	-
11:01	31.3	30.4	-
11:02	31.3	30.6	-
11:03	43.8	31.9	-
11:04	36.8	32.7	-
11:05	30.5	31.9	-
11:06	26.3	30.2	-
11:07	36.8	31.0	-
11:08	32.5	31.3	-
11:09	37.5	32.0	-
11:10	45.0	33.4	-
11:11	39.0	34.2	-
11:12	31.5	34.2	-
11:13	34.3	34.6	-
11:14	45.8	36.0	-
11:15	32.5	35.6	-
11:16	21.5	35.0	-
11:17	21.5	34.3	-
11:18	33.5	33.7	-
11:19	35.3	33.6	-
11:20	27.3	33.3	-
11:21	28.0	33.5	-
11:22	32.8	33.2	-
11:23	25.8	32.7	-
11:24	24.5	31.9	-
11:25	28.5	30.8	-
11:26	27.5	30.0	-
11:27	31.3	30.0	-
11:28	23.3	29.3	-
11:29	22.3	27.7	-
11:30	30.0	27.5	-
11:31	31.5	28.2	-
11:32	28.5	28.7	-
11:33	24.0	28.0	-
11:34	19.0	26.9	-
11:35	19.8	26.4	-
11:36	25.5	26.3	-
11:37	26.0	25.8	-
11:38	21.5	25.5	-
11:39	24.0	25.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	23.2	25.1	-
11:41	21.0	24.7	-
11:42	26.0	24.4	-
11:43	59.0	26.7	-
11:44	37.0	27.7	-
11:45	36.8	28.2	-
11:46	38.8	28.7	-
11:47	26.8	28.5	-
11:48	24.3	28.6	-
11:49	29.3	29.2	-
11:50	24.0	29.5	-
11:51	22.5	29.3	-
11:52	21.0	29.0	-
11:53	20.5	28.9	-
11:54	19.3	28.6	-
11:55	19.8	28.4	-
11:56	19.8	28.3	-
11:57	23.0	28.1	-
11:58	23.8	25.8	-
11:59	23.0	24.8	-
12:00	20.0	23.7	-
12:01	24.0	22.7	-
12:02	26.8	22.7	-
12:03	27.0	22.9	-
12:04	22.0	22.4	-
12:05	25.3	22.5	-
12:06	24.8	22.7	-
12:07	24.8	22.9	-
12:08	30.5	23.6	-
12:09	22.0	23.8	-
12:10	32.0	24.6	-
12:11	25.0	24.9	-
12:12	21.0	24.8	-
12:13	22.3	24.7	-
12:14	24.3	24.8	-
12:15	20.5	24.8	-
12:16	18.0	24.4	-
12:17	19.8	23.9	-
12:18	34.8	24.5	-
12:19	76.3	28.1	-
12:20	28.5	28.3	-
12:21	27.0	28.4	-
12:22	21.3	28.2	-
12:23	20.8	27.6	-
12:24	22.3	27.6	-
12:25	18.8	26.7	-
12:26	18.5	26.3	-
12:27	23.0	26.4	-
12:28	22.3	26.4	-
12:29	21.3	26.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	19.3	26.1	-
12:31	19.3	26.2	-
12:32	24.0	26.5	-
12:33	24.8	25.8	-
12:34	32.3	22.9	-
12:35	29.5	22.9	-
12:36	34.0	23.4	-
12:37	34.5	24.3	-
12:38	23.0	24.4	-
12:39	26.8	24.7	-
12:40	19.0	24.8	-
12:41	25.3	25.2	-
12:42	21.5	25.1	-
12:43	20.0	25.0	-
12:44	20.8	24.9	-
12:45	19.0	24.9	-
12:46	19.8	24.9	-
12:47	20.5	24.7	-
12:48	24.2	24.7	-
12:49	23.0	24.0	-
12:50	25.0	23.7	-
12:51	25.5	23.2	-
12:52	25.3	22.6	-
12:53	37.5	23.5	-
12:54	58.0	25.6	-
12:55	30.8	26.4	-
12:56	24.8	26.4	-
12:57	21.8	26.4	-
12:58	21.5	26.5	-
12:59	22.8	26.6	-
13:00	23.0	26.9	-
13:01	23.5	27.1	-
13:02	36.3	28.2	-
13:03	25.5	28.3	-
13:04	26.5	28.5	-
13:05	20.5	28.2	-
13:06	18.8	27.8	-
13:07	171.3	37.5	-
13:08	78.3	40.2	-
13:09	19.3	37.6	-
13:10	19.0	36.8	-
13:11	27.5	37.0	-
13:12	29.3	37.5	-
13:13	23.8	37.7	-
13:14	22.5	37.7	-
13:15	37.0	38.6	-
13:16	27.5	38.9	-
13:17	22.0	37.9	-
13:18	23.5	37.8	-
13:19	30.0	38.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	33.3	38.9	-
13:21	20.5	39.0	-
13:22	26.3	29.3	-
13:23	29.8	26.1	-
13:24	22.0	26.3	-
13:25	28.0	26.9	-
13:26	28.5	26.9	-
13:27	23.0	26.5	-
13:28	26.0	26.7	-
13:29	21.8	26.6	-
13:30	25.3	25.8	-
13:31	24.3	25.6	-
13:32	23.5	25.7	-
13:33	22.5	25.6	-
13:34	25.5	25.3	-
13:35	37.8	25.6	-
13:36	25.8	26.0	-
13:37	27.0	26.0	-
13:38	21.0	25.5	-
13:39	21.3	25.4	-
13:40	25.8	25.3	-
13:41	35.8	25.7	-
13:42	23.3	25.8	-
13:43	26.0	25.8	-
13:44	21.8	25.8	-
13:45	17.3	25.2	-
13:46	19.0	24.9	-
13:47	27.3	25.1	-
13:48	23.8	25.2	-
13:49	17.5	24.7	-
13:50	29.3	24.1	-
13:51	36.3	24.8	-
13:52	41.0	25.7	-
13:53	34.0	26.6	-
13:54	38.0	27.7	-
13:55	48.2	29.2	-
13:56	28.8	28.8	-
13:57	29.0	29.1	-
13:58	30.8	29.5	-
13:59	32.0	30.1	-
14:00	20.4	30.3	-
14:01	26.8	30.9	-
14:02	34.8	31.4	-
14:03	31.5	31.9	-
14:04	27.8	32.6	-
14:05	21.3	32.0	-
14:06	17.0	30.8	-
14:07	18.0	29.2	-
14:08	21.5	28.4	-
14:09	22.3	27.3	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	22.8	25.6	-
14:11	23.8	25.3	-
14:12	20.0	24.7	-
14:13	24.8	24.3	-
14:14	24.8	23.8	-
14:15	32.3	24.6	-
14:16	39.8	25.5	-
14:17	32.0	25.3	-
14:18	26.5	25.0	-
14:19	20.8	24.5	-
14:20	18.8	24.3	-
14:21	19.0	24.5	-
14:22	21.8	24.7	-
14:23	25.8	25.0	-
14:24	29.5	25.5	-
14:25	33.0	26.2	-
14:26	40.8	27.3	-
14:27	70.3	30.6	-
14:28	30.0	31.0	-
14:29	20.5	30.7	-
14:30	20.3	29.9	-
14:31	22.8	28.8	-
14:32	16.5	27.7	-
14:33	20.5	27.3	-
14:34	17.8	27.1	-
14:35	18.3	27.1	-
14:36	24.3	27.5	-
14:37	22.8	27.5	-
14:38	15.8	26.9	-
14:39	18.8	26.1	-
14:40	21.3	25.4	-
14:41	18.8	23.9	-
14:42	22.5	20.7	-
14:43	24.8	20.4	-
14:44	19.5	20.3	-
14:45	22.8	20.5	-
14:46	32.8	21.1	-
14:47	19.5	21.3	-
14:48	15.3	21.0	-
14:49	14.3	20.7	-
14:50	15.3	20.5	-
14:51	18.0	20.1	-
14:52	20.8	20.0	-
14:53	21.3	20.4	-
14:54	21.3	20.5	-
14:55	30.3	21.1	-
14:56	34.5	22.2	-
14:57	27.3	22.5	-
14:58	31.0	22.9	-
14:59	73.0	26.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	28.3	26.8	-
15:01	30.0	26.7	-
15:02	25.5	27.1	-
15:03	24.5	27.7	-
15:04	30.8	28.8	-
15:05	21.8	29.2	-
15:06	17.8	29.2	-
15:07	18.6	29.0	-
15:08	22.6	29.1	-
15:09	22.0	29.2	-
15:10	18.8	28.4	-
15:11	16.3	27.2	-
15:12	17.0	26.5	-
15:13	17.3	25.6	-
15:14	21.0	22.1	-
15:15	19.5	21.5	-
15:16	27.8	21.4	-
15:17	37.3	22.2	-
15:18	38.0	23.1	-
15:19	36.5	23.5	-
15:20	20.0	23.3	-
15:21	22.0	23.6	-
15:22	23.8	24.0	-
15:23	21.0	23.9	-
15:24	24.8	24.1	-
15:25	22.3	24.3	-
15:26	20.8	24.6	-
15:27	22.8	25.0	-
15:28	22.5	25.3	-
15:29	23.0	25.5	-
15:30	19.3	25.4	-
15:31	19.5	24.9	-
15:32	23.8	24.0	-
15:33	23.8	23.0	-
15:34	20.8	22.0	-
15:35	65.8	25.0	-
15:36	37.0	26.0	-
15:37	17.5	25.6	-
15:38	22.0	25.7	-
15:39	21.0	25.4	-
15:40	30.5	26.0	-
15:41	53.5	28.2	-
15:42	24.5	28.3	-
15:43	20.5	28.2	-
15:44	24.0	28.2	-
15:45	19.8	28.3	-
15:46	21.3	28.4	-
15:47	24.0	28.4	-
15:48	22.0	28.3	-
15:49	24.0	28.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:50	23.5	25.7	-
15:51	26.0	24.9	-
15:52	29.0	25.7	-
15:53	27.0	26.0	-
15:54	21.3	26.1	-
15:55	21.3	25.4	-
15:56	26.8	23.7	-
15:57	23.0	23.6	-
15:58	28.5	24.1	-
15:59	59.8	26.5	-
16:00	28.8	27.1	-
16:01	35.0	28.0	-
16:02	28.8	28.3	-
16:03	36.5	29.3	-
16:04	25.0	29.3	-
16:05	29.5	29.7	-
16:06	24.3	29.6	-
16:07	19.5	29.0	-
16:08	21.3	28.6	-
16:09	17.8	28.4	-
16:10	19.8	28.3	-
16:11	22.3	28.0	-
16:12	21.0	27.8	-
16:13	30.3	28.0	-
16:14	56.8	27.8	-
16:15	24.8	27.5	-
16:16	21.0	26.6	-
16:17	31.8	26.8	-
16:18	25.4	26.0	-
16:19	18.4	25.6	-
16:20	18.2	24.8	-
16:21	18.2	24.4	-
16:22	18.8	24.4	-
16:23	24.5	24.6	-
16:24	31.8	25.5	-
16:25	33.0	26.4	-
16:26	28.0	26.8	-
16:27	23.0	26.9	-
16:28	22.3	26.4	-
16:29	20.5	24.0	-
16:30	18.5	23.6	-
16:31	20.3	23.5	-
16:32	17.3	22.5	-
16:33	15.5	21.9	-
16:34	16.5	21.7	-
16:35	15.8	21.6	-
16:36	17.5	21.5	-
16:37	20.0	21.6	-
16:38	18.0	21.2	-
16:39	18.3	20.3	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
16:40	18.5	19.3	-
16:41	18.3	18.7	-
16:42	18.0	18.3	-
16:43	24.8	18.5	-
16:44	17.5	18.3	-
16:45	55.0	20.7	-
16:46	366.0	43.8	-
16:47	32.0	44.8	-
16:48	20.3	45.1	-
16:49	19.5	45.3	-
16:50	28.8	46.2	-
16:51	24.5	46.6	-
16:52	17.3	46.4	-
16:53	23.3	46.8	-
16:54	42.8	48.4	-
16:55	44.8	50.2	-
16:56	88.8	54.9	-
16:57	25.8	55.4	-
16:58	30.3	55.8	-
16:59	18.5	55.8	-
17:00	17.8	53.3	-
17:01	17.3	30.1	-
17:02	16.0	29.0	-
17:03	19.3	29.0	-
17:04	20.3	29.0	-
17:05	20.8	28.5	-
17:06	26.0	28.6	-
17:07	24.3	29.0	-
17:08	17.3	28.6	-
17:09	25.8	27.5	-
17:10	30.8	26.6	-
17:11	29.8	22.6	-
17:12	22.0	22.4	-
17:13	30.8	22.4	-
17:14	40.8	23.9	-
17:15	27.3	24.5	-
17:16	16.3	24.5	-
17:17	-	-	-

Thursday, July 14, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			6:51
End Time:			17:17
PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	0.0	-	-
6:52	0.0	-	-
6:53	0.0	-	-
6:54	0.0	-	-
6:55	0.0	-	-
6:56	0.0	-	-
6:57	0.0	-	-
6:58	0.0	-	-
6:59	0.0	-	-
7:00	0.0	-	-
7:01	0.0	-	-
7:02	0.0	-	-
7:03	0.0	-	-
7:04	0.0	-	-
7:05	0.0	-	-
7:06	0.0	0.0	-
7:07	0.0	0.0	-
7:08	0.0	0.0	-
7:09	0.0	0.0	-
7:10	0.0	0.0	-
7:11	0.0	0.0	-
7:12	0.0	0.0	-
7:13	0.0	0.0	-
7:14	0.0	0.0	-
7:15	0.0	0.0	-
7:16	0.0	0.0	-
7:17	0.0	0.0	-
7:18	0.0	0.0	-
7:19	0.0	0.0	-
7:20	0.0	0.0	-
7:21	0.0	0.0	-
7:22	0.0	0.0	-
7:23	0.0	0.0	-
7:24	0.0	0.0	-
7:25	0.0	0.0	-
7:26	0.0	0.0	-
7:27	0.0	0.0	-
7:28	0.0	0.0	-
7:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
7:30	0.0	0.0	-
7:31	0.0	0.0	-
7:32	0.0	0.0	-
7:33	0.0	0.0	-
7:34	0.0	0.0	-
7:35	0.0	0.0	-
7:36	0.0	0.0	-
7:37	0.0	0.0	-
7:38	0.0	0.0	-
7:39	0.0	0.0	-
7:40	0.0	0.0	-
7:41	0.0	0.0	-
7:42	0.0	0.0	-
7:43	0.0	0.0	-
7:44	0.0	0.0	-
7:45	0.0	0.0	-
7:46	0.0	0.0	-
7:47	0.0	0.0	-
7:48	0.0	0.0	-
7:49	0.0	0.0	-
7:50	0.0	0.0	-
7:51	0.0	0.0	-
7:52	0.0	0.0	-
7:53	0.0	0.0	-
7:54	0.0	0.0	-
7:55	0.0	0.0	-
7:56	0.0	0.0	-
7:57	0.0	0.0	-
7:58	0.0	0.0	-
7:59	0.0	0.0	-
8:00	0.0	0.0	-
8:01	0.0	0.0	-
8:02	0.0	0.0	-
8:03	0.0	0.0	-
8:04	0.0	0.0	-
8:05	0.0	0.0	-
8:06	0.0	0.0	-
8:07	0.0	0.0	-
8:08	0.0	0.0	-
8:09	0.0	0.0	-
8:10	0.0	0.0	-
8:11	0.0	0.0	-
8:12	0.0	0.0	-
8:13	0.0	0.0	-
8:14	0.0	0.0	-
8:15	0.0	0.0	-
8:16	0.0	0.0	-
8:17	0.0	0.0	-
8:18	0.0	0.0	-
8:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:20	0.0	0.0	-
8:21	0.0	0.0	-
8:22	0.0	0.0	-
8:23	0.0	0.0	-
8:24	0.0	0.0	-
8:25	0.0	0.0	-
8:26	0.0	0.0	-
8:27	0.0	0.0	-
8:28	0.0	0.0	-
8:29	0.0	0.0	-
8:30	0.0	0.0	-
8:31	0.0	0.0	-
8:32	0.0	0.0	-
8:33	0.0	0.0	-
8:34	0.0	0.0	-
8:35	0.0	0.0	-
8:36	0.0	0.0	-
8:37	0.0	0.0	-
8:38	0.0	0.0	-
8:39	0.0	0.0	-
8:40	0.0	0.0	-
8:41	0.0	0.0	-
8:42	0.0	0.0	-
8:43	0.0	0.0	-
8:44	0.0	0.0	-
8:45	0.0	0.0	-
8:46	0.0	0.0	-
8:47	0.0	0.0	-
8:48	0.0	0.0	-
8:49	0.0	0.0	-
8:50	0.0	0.0	-
8:51	0.0	0.0	-
8:52	0.0	0.0	-
8:53	0.0	0.0	-
8:54	0.0	0.0	-
8:55	0.0	0.0	-
8:56	0.0	0.0	-
8:57	0.0	0.0	-
8:58	0.0	0.0	-
8:59	0.0	0.0	-
9:00	0.0	0.0	-
9:01	0.0	0.0	-
9:02	0.0	0.0	-
9:03	0.0	0.0	-
9:04	0.0	0.0	-
9:05	0.0	0.0	-
9:06	0.0	0.0	-
9:07	0.0	0.0	-
9:08	0.0	0.0	-
9:09	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
9:10	0.0	0.0	-
9:11	0.0	0.0	-
9:12	0.0	0.0	-
9:13	0.0	0.0	-
9:14	0.0	0.0	-
9:15	0.0	0.0	-
9:16	0.0	0.0	-
9:17	0.0	0.0	-
9:18	0.0	0.0	-
9:19	0.0	0.0	-
9:20	0.0	0.0	-
9:21	0.0	0.0	-
9:22	0.0	0.0	-
9:23	0.0	0.0	-
9:24	0.0	0.0	-
9:25	0.0	0.0	-
9:26	0.0	0.0	-
9:27	0.0	0.0	-
9:28	0.0	0.0	-
9:29	0.0	0.0	-
9:30	0.0	0.0	-
9:31	0.0	0.0	-
9:32	0.0	0.0	-
9:33	0.0	0.0	-
9:34	0.0	0.0	-
9:35	0.0	0.0	-
9:36	0.0	0.0	-
9:37	0.0	0.0	-
9:38	0.0	0.0	-
9:39	0.0	0.0	-
9:40	0.0	0.0	-
9:41	0.0	0.0	-
9:42	0.0	0.0	-
9:43	0.0	0.0	-
9:44	0.0	0.0	-
9:45	0.0	0.0	-
9:46	0.0	0.0	-
9:47	0.0	0.0	-
9:48	0.0	0.0	-
9:49	0.0	0.0	-
9:50	0.0	0.0	-
9:51	0.0	0.0	-
9:52	0.0	0.0	-
9:53	0.0	0.0	-
9:54	0.0	0.0	-
9:55	0.0	0.0	-
9:56	0.0	0.0	-
9:57	0.0	0.0	-
9:58	0.0	0.0	-
9:59	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:00	0.0	0.0	-
10:01	0.0	0.0	-
10:02	0.0	0.0	-
10:03	0.0	0.0	-
10:04	0.0	0.0	-
10:05	0.0	0.0	-
10:06	0.0	0.0	-
10:07	0.0	0.0	-
10:08	0.0	0.0	-
10:09	0.0	0.0	-
10:10	0.0	0.0	-
10:11	0.0	0.0	-
10:12	0.0	0.0	-
10:13	0.0	0.0	-
10:14	0.0	0.0	-
10:15	0.0	0.0	-
10:16	0.0	0.0	-
10:17	0.0	0.0	-
10:18	0.0	0.0	-
10:19	0.0	0.0	-
10:20	0.0	0.0	-
10:21	0.0	0.0	-
10:22	0.0	0.0	-
10:23	0.0	0.0	-
10:24	0.0	0.0	-
10:25	0.0	0.0	-
10:26	0.0	0.0	-
10:27	0.0	0.0	-
10:28	0.0	0.0	-
10:29	0.0	0.0	-
10:30	0.0	0.0	-
10:31	0.0	0.0	-
10:32	0.0	0.0	-
10:33	0.0	0.0	-
10:34	0.0	0.0	-
10:35	0.0	0.0	-
10:36	0.0	0.0	-
10:37	0.0	0.0	-
10:38	0.0	0.0	-
10:39	0.0	0.0	-
10:40	0.0	0.0	-
10:41	0.0	0.0	-
10:42	0.0	0.0	-
10:43	0.0	0.0	-
10:44	0.0	0.0	-
10:45	0.0	0.0	-
10:46	0.0	0.0	-
10:47	0.0	0.0	-
10:48	0.0	0.0	-
10:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:50	0.0	0.0	-
10:51	0.0	0.0	-
10:52	0.0	0.0	-
10:53	0.0	0.0	-
10:54	0.0	0.0	-
10:55	0.0	0.0	-
10:56	0.0	0.0	-
10:57	0.0	0.0	-
10:58	0.0	0.0	-
10:59	0.0	0.0	-
11:00	0.0	0.0	-
11:01	0.0	0.0	-
11:02	0.0	0.0	-
11:03	0.0	0.0	-
11:04	0.0	0.0	-
11:05	0.0	0.0	-
11:06	0.0	0.0	-
11:07	0.0	0.0	-
11:08	0.0	0.0	-
11:09	0.0	0.0	-
11:10	0.0	0.0	-
11:11	0.0	0.0	-
11:12	0.0	0.0	-
11:13	0.0	0.0	-
11:14	0.0	0.0	-
11:15	0.0	0.0	-
11:16	0.0	0.0	-
11:17	0.0	0.0	-
11:18	0.0	0.0	-
11:19	0.0	0.0	-
11:20	0.0	0.0	-
11:21	0.0	0.0	-
11:22	0.0	0.0	-
11:23	0.0	0.0	-
11:24	0.0	0.0	-
11:25	0.0	0.0	-
11:26	0.0	0.0	-
11:27	0.0	0.0	-
11:28	0.0	0.0	-
11:29	0.0	0.0	-
11:30	0.0	0.0	-
11:31	0.0	0.0	-
11:32	0.0	0.0	-
11:33	0.0	0.0	-
11:34	0.0	0.0	-
11:35	0.0	0.0	-
11:36	0.0	0.0	-
11:37	0.0	0.0	-
11:38	0.0	0.0	-
11:39	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
11:40	0.0	0.0	-
11:41	0.0	0.0	-
11:42	0.0	0.0	-
11:43	0.0	0.0	-
11:44	0.0	0.0	-
11:45	0.0	0.0	-
11:46	0.0	0.0	-
11:47	0.0	0.0	-
11:48	0.0	0.0	-
11:49	0.0	0.0	-
11:50	0.0	0.0	-
11:51	0.0	0.0	-
11:52	0.0	0.0	-
11:53	0.0	0.0	-
11:54	0.0	0.0	-
11:55	0.0	0.0	-
11:56	0.0	0.0	-
11:57	0.0	0.0	-
11:58	0.0	0.0	-
11:59	0.0	0.0	-
12:00	0.0	0.0	-
12:01	0.0	0.0	-
12:02	0.0	0.0	-
12:03	0.0	0.0	-
12:04	0.0	0.0	-
12:05	0.0	0.0	-
12:06	0.0	0.0	-
12:07	0.0	0.0	-
12:08	0.0	0.0	-
12:09	0.0	0.0	-
12:10	0.0	0.0	-
12:11	0.0	0.0	-
12:12	0.0	0.0	-
12:13	0.0	0.0	-
12:14	0.0	0.0	-
12:15	0.0	0.0	-
12:16	0.0	0.0	-
12:17	0.0	0.0	-
12:18	0.0	0.0	-
12:19	0.0	0.0	-
12:20	0.0	0.0	-
12:21	0.0	0.0	-
12:22	0.0	0.0	-
12:23	0.0	0.0	-
12:24	0.0	0.0	-
12:25	0.0	0.0	-
12:26	0.0	0.0	-
12:27	0.0	0.0	-
12:28	0.0	0.0	-
12:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
12:30	0.0	0.0	-
12:31	0.0	0.0	-
12:32	0.0	0.0	-
12:33	0.0	0.0	-
12:34	0.0	0.0	-
12:35	0.0	0.0	-
12:36	0.0	0.0	-
12:37	0.0	0.0	-
12:38	0.0	0.0	-
12:39	0.0	0.0	-
12:40	0.0	0.0	-
12:41	0.0	0.0	-
12:42	0.0	0.0	-
12:43	0.0	0.0	-
12:44	0.0	0.0	-
12:45	0.0	0.0	-
12:46	0.0	0.0	-
12:47	0.0	0.0	-
12:48	0.0	0.0	-
12:49	0.0	0.0	-
12:50	0.0	0.0	-
12:51	0.0	0.0	-
12:52	0.0	0.0	-
12:53	0.0	0.0	-
12:54	0.0	0.0	-
12:55	0.0	0.0	-
12:56	0.0	0.0	-
12:57	0.0	0.0	-
12:58	0.0	0.0	-
12:59	0.0	0.0	-
13:00	0.0	0.0	-
13:01	0.0	0.0	-
13:02	0.0	0.0	-
13:03	0.0	0.0	-
13:04	0.0	0.0	-
13:05	0.0	0.0	-
13:06	0.0	0.0	-
13:07	0.0	0.0	-
13:08	0.0	0.0	-
13:09	0.0	0.0	-
13:10	0.0	0.0	-
13:11	0.0	0.0	-
13:12	0.0	0.0	-
13:13	0.0	0.0	-
13:14	0.0	0.0	-
13:15	0.0	0.0	-
13:16	0.0	0.0	-
13:17	0.0	0.0	-
13:18	0.0	0.0	-
13:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
13:20	0.0	0.0	-
13:21	0.0	0.0	-
13:22	0.0	0.0	-
13:23	0.0	0.0	-
13:24	0.0	0.0	-
13:25	0.0	0.0	-
13:26	0.0	0.0	-
13:27	0.0	0.0	-
13:28	0.0	0.0	-
13:29	0.0	0.0	-
13:30	0.0	0.0	-
13:31	0.0	0.0	-
13:32	0.0	0.0	-
13:33	0.0	0.0	-
13:34	0.0	0.0	-
13:35	0.0	0.0	-
13:36	0.0	0.0	-
13:37	0.0	0.0	-
13:38	0.0	0.0	-
13:39	0.0	0.0	-
13:40	0.0	0.0	-
13:41	0.0	0.0	-
13:42	0.0	0.0	-
13:43	0.0	0.0	-
13:44	0.0	0.0	-
13:45	0.0	0.0	-
13:46	0.0	0.0	-
13:47	0.0	0.0	-
13:48	0.0	0.0	-
13:49	0.0	0.0	-
13:50	0.0	0.0	-
13:51	0.0	0.0	-
13:52	0.0	0.0	-
13:53	0.0	0.0	-
13:54	0.0	0.0	-
13:55	0.0	0.0	-
13:56	0.0	0.0	-
13:57	0.0	0.0	-
13:58	0.0	0.0	-
13:59	0.0	0.0	-
14:00	0.0	0.0	-
14:01	0.0	0.0	-
14:02	0.0	0.0	-
14:03	0.0	0.0	-
14:04	0.0	0.0	-
14:05	0.0	0.0	-
14:06	0.0	0.0	-
14:07	0.0	0.0	-
14:08	0.0	0.0	-
14:09	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
14:10	0.0	0.0	-
14:11	0.0	0.0	-
14:12	0.0	0.0	-
14:13	0.0	0.0	-
14:14	0.0	0.0	-
14:15	0.0	0.0	-
14:16	0.0	0.0	-
14:17	0.0	0.0	-
14:18	0.0	0.0	-
14:19	0.0	0.0	-
14:20	0.0	0.0	-
14:21	0.0	0.0	-
14:22	0.0	0.0	-
14:23	0.0	0.0	-
14:24	0.0	0.0	-
14:25	0.0	0.0	-
14:26	0.0	0.0	-
14:27	0.0	0.0	-
14:28	0.0	0.0	-
14:29	0.0	0.0	-
14:30	0.0	0.0	-
14:31	0.0	0.0	-
14:32	0.0	0.0	-
14:33	0.0	0.0	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
15:00	0.0	0.0	-
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	0.0	0.0	-
15:43	0.0	0.0	-
15:44	0.0	0.0	-
15:45	0.0	0.0	-
15:46	0.0	0.0	-
15:47	0.0	0.0	-
15:48	0.0	0.0	-
15:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:50	0.0	0.0	-
15:51	0.0	0.0	-
15:52	0.0	0.0	-
15:53	0.0	0.0	-
15:54	0.0	0.0	-
15:55	0.0	0.0	-
15:56	0.0	0.0	-
15:57	0.0	0.0	-
15:58	0.0	0.0	-
15:59	0.0	0.0	-
16:00	0.0	0.0	-
16:01	0.0	0.0	-
16:02	0.0	0.0	-
16:03	0.0	0.0	-
16:04	0.0	0.0	-
16:05	0.0	0.0	-
16:06	0.0	0.0	-
16:07	0.0	0.0	-
16:08	0.0	0.0	-
16:09	0.0	0.0	-
16:10	0.0	0.0	-
16:11	0.0	0.0	-
16:12	0.0	0.0	-
16:13	0.0	0.0	-
16:14	0.0	0.0	-
16:15	0.0	0.0	-
16:16	0.0	0.0	-
16:17	0.0	0.0	-
16:18	0.0	0.0	-
16:19	0.0	0.0	-
16:20	0.0	0.0	-
16:21	0.0	0.0	-
16:22	0.0	0.0	-
16:23	0.0	0.0	-
16:24	0.0	0.0	-
16:25	0.0	0.0	-
16:26	0.0	0.0	-
16:27	0.0	0.0	-
16:28	0.0	0.0	-
16:29	0.0	0.0	-
16:30	0.0	0.0	-
16:31	0.0	0.0	-
16:32	0.0	0.0	-
16:33	0.0	0.0	-
16:34	0.0	0.0	-
16:35	0.0	0.0	-
16:36	0.0	0.0	-
16:37	0.0	0.0	-
16:38	0.0	0.0	-
16:39	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
16:40	0.0	0.0	-
16:41	0.0	0.0	-
16:42	0.0	0.0	-
16:43	0.0	0.0	-
16:44	0.0	0.0	-
16:45	0.0	0.0	-
16:46	0.0	0.0	-
16:47	0.0	0.0	-
16:48	0.0	0.0	-
16:49	0.0	0.0	-
16:50	0.0	0.0	-
16:51	0.0	0.0	-
16:52	0.0	0.0	-
16:53	0.0	0.0	-
16:54	0.0	0.0	-
16:55	0.0	0.0	-
16:56	0.0	0.0	-
16:57	0.0	0.0	-
16:58	0.0	0.0	-
16:59	0.0	0.0	-
17:00	0.0	0.0	-
17:01	0.0	0.0	-
17:02	0.0	0.0	-
17:03	0.0	0.0	-
17:04	0.0	0.0	-
17:05	0.0	0.0	-
17:06	0.0	0.0	-
17:07	0.0	0.0	-
17:08	0.0	0.0	-
17:09	0.0	0.0	-
17:10	0.0	0.0	-
17:11	0.0	0.0	-
17:12	0.0	0.0	-
17:13	0.0	0.0	-
17:14	0.0	0.0	-
17:15	0.0	0.0	-
17:16	0.0	0.0	-
17:17	0.0	0.0	-
17:18	-	-	-

DAILY AIR MONITORING REPORT

23-30 Borden Ave Site Investigation

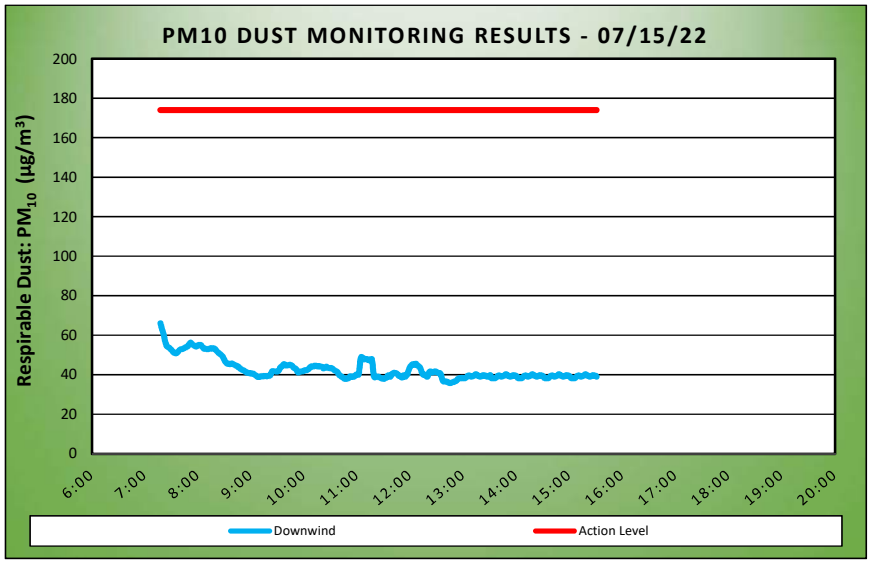
Long Island City, New York

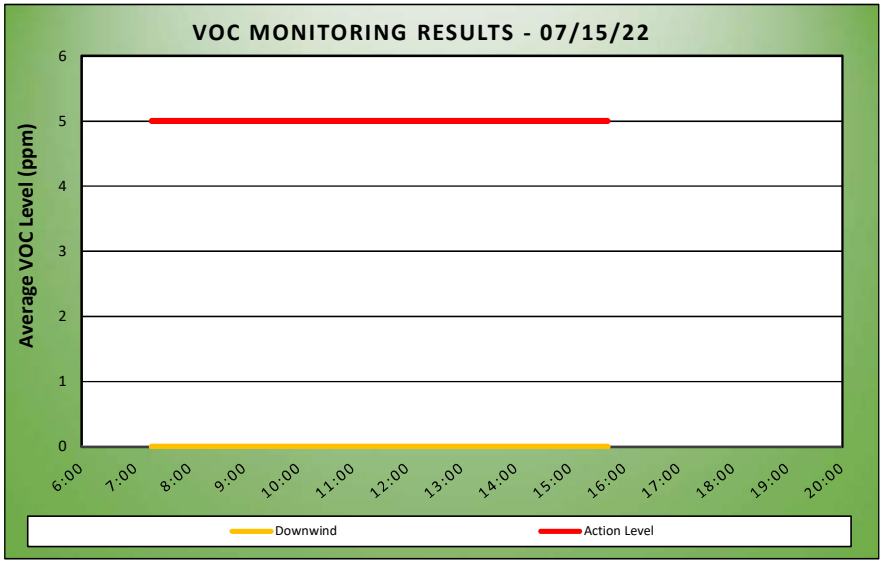
LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

07/15/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	174 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	, NE, ENE, E, ESE	Relative Humidity (%)	0.0 - 0.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	0.0 - 0.0	Wind Speed (MPH)	0.0 - 0.0	Barometer (inHg)	0.00 - 0.00			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	43.3	66.0	7:18	0.0	0.0	7:18



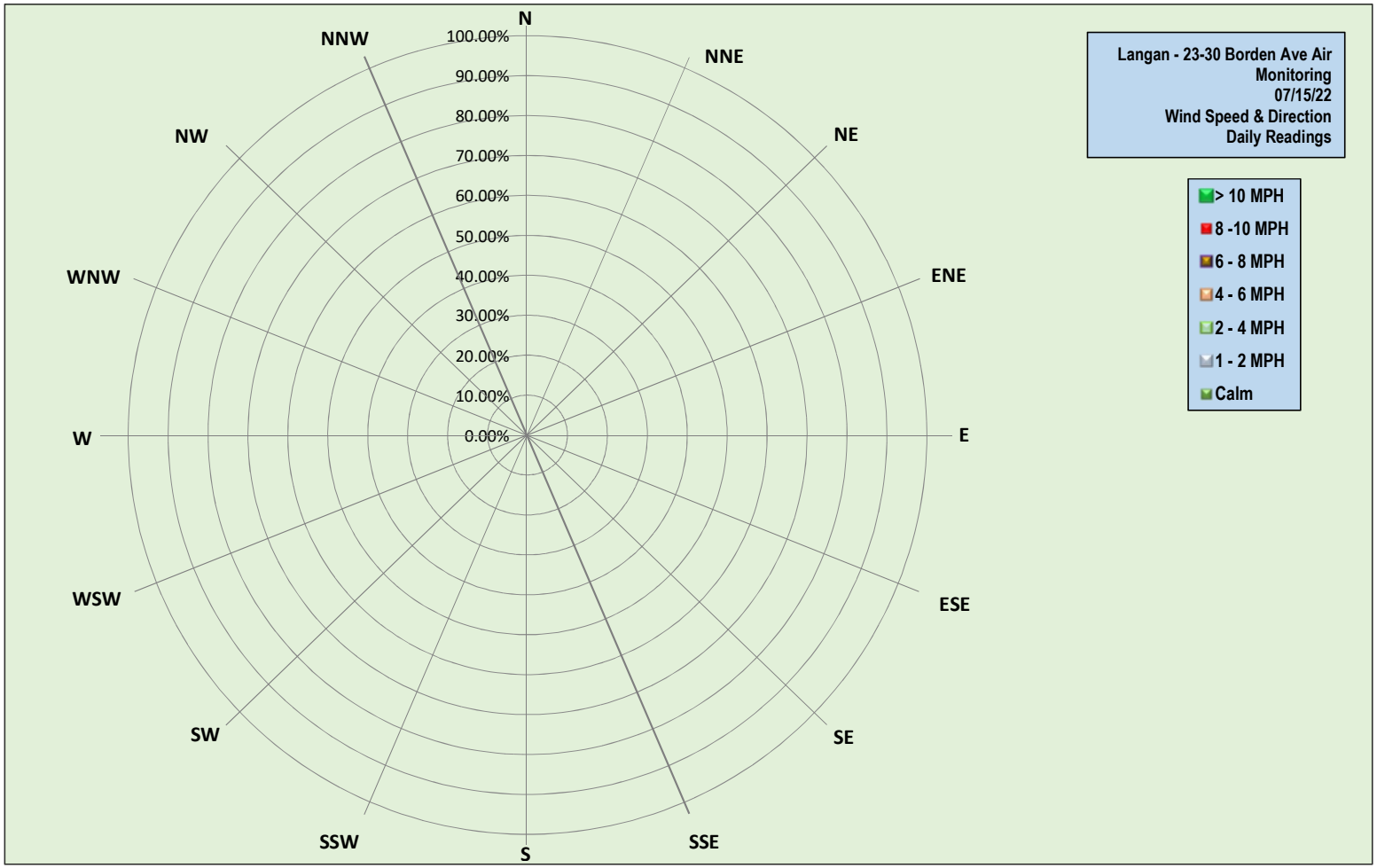


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
100.00%
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
Langan - 23-30 Borden Ave Air Monitoring
07/15/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm

Friday, July 15, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			0
Start Time:			7:03
End Time:			15:31
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	74.0	-	-
7:04	78.8	-	-
7:05	77.5	-	-
7:06	72.5	-	-
7:07	78.8	-	-
7:08	81.5	-	-
7:09	73.8	-	-
7:10	69.3	-	-
7:11	60.3	-	-
7:12	59.0	-	-
7:13	55.8	-	-
7:14	57.3	-	-
7:15	55.3	-	-
7:16	56.5	-	-
7:17	58.0	-	-
7:18	56.5	66.0	-
7:19	54.5	64.4	-
7:20	53.3	62.8	-
7:21	52.0	61.4	-
7:22	50.8	59.6	-
7:23	50.5	57.5	-
7:24	49.5	55.9	-
7:25	50.3	54.6	-
7:26	54.0	54.2	-
7:27	55.0	53.9	-
7:28	52.5	53.7	-
7:29	50.0	53.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	48.8	52.8	-
7:31	48.8	52.3	-
7:32	49.0	51.7	-
7:33	50.5	51.3	-
7:34	51.0	51.1	-
7:35	51.0	50.9	-
7:36	53.0	51.0	-
7:37	54.8	51.2	-
7:38	57.8	51.7	-
7:39	57.3	52.2	-
7:40	57.8	52.7	-
7:41	56.3	52.9	-
7:42	56.0	53.0	-
7:43	54.5	53.1	-
7:44	53.3	53.3	-
7:45	52.3	53.5	-
7:46	52.0	53.8	-
7:47	53.5	54.1	-
7:48	53.3	54.2	-
7:49	54.8	54.5	-
7:50	62.3	55.2	-
7:51	59.8	55.7	-
7:52	63.5	56.3	-
7:53	52.0	55.9	-
7:54	52.0	55.5	-
7:55	51.3	55.1	-
7:56	52.0	54.8	-
7:57	51.4	54.5	-
7:58	51.6	54.3	-
7:59	54.6	54.4	-
8:00	57.2	54.7	-
8:01	57.3	55.1	-
8:02	55.0	55.2	-
8:03	52.6	55.1	-
8:04	52.2	55.0	-
8:05	52.3	54.3	-
8:06	54.0	53.9	-
8:07	53.3	53.2	-
8:08	52.3	53.3	-
8:09	51.0	53.2	-
8:10	49.5	53.1	-
8:11	51.3	53.0	-
8:12	50.5	53.0	-
8:13	53.0	53.1	-
8:14	56.8	53.2	-
8:15	61.0	53.5	-
8:16	56.0	53.4	-
8:17	54.5	53.3	-
8:18	54.3	53.4	-
8:19	49.8	53.3	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	46.3	52.9	-
8:21	46.0	52.4	-
8:22	45.5	51.8	-
8:23	45.3	51.4	-
8:24	44.5	50.9	-
8:25	45.5	50.7	-
8:26	46.5	50.4	-
8:27	44.3	49.9	-
8:28	45.0	49.4	-
8:29	46.3	48.7	-
8:30	46.3	47.7	-
8:31	42.8	46.8	-
8:32	46.5	46.3	-
8:33	46.8	45.8	-
8:34	46.0	45.6	-
8:35	47.0	45.6	-
8:36	44.3	45.5	-
8:37	45.0	45.5	-
8:38	48.5	45.7	-
8:39	45.0	45.7	-
8:40	40.8	45.4	-
8:41	43.3	45.2	-
8:42	42.0	45.0	-
8:43	41.8	44.8	-
8:44	41.8	44.5	-
8:45	41.0	44.2	-
8:46	42.8	44.2	-
8:47	39.0	43.7	-
8:48	39.8	43.2	-
8:49	42.0	42.9	-
8:50	41.8	42.6	-
8:51	41.8	42.4	-
8:52	43.0	42.3	-
8:53	43.0	41.9	-
8:54	39.5	41.5	-
8:55	38.5	41.4	-
8:56	38.3	41.1	-
8:57	41.0	41.0	-
8:58	40.8	40.9	-
8:59	39.8	40.8	-
9:00	42.5	40.9	-
9:01	39.3	40.7	-
9:02	37.3	40.5	-
9:03	39.8	40.5	-
9:04	37.8	40.3	-
9:05	37.0	39.9	-
9:06	37.0	39.6	-
9:07	37.0	39.2	-
9:08	38.3	38.9	-
9:09	39.6	38.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
9:10	39.2	39.0	-
9:11	41.8	39.2	-
9:12	41.6	39.2	-
9:13	40.8	39.2	-
9:14	41.8	39.4	-
9:15	41.5	39.3	-
9:16	40.3	39.4	-
9:17	38.0	39.4	-
9:18	38.0	39.3	-
9:19	38.0	39.3	-
9:20	38.8	39.4	-
9:21	39.0	39.6	-
9:22	38.8	39.7	-
9:23	53.0	40.7	-
9:24	54.3	41.6	-
9:25	42.8	41.9	-
9:26	40.5	41.8	-
9:27	41.0	41.8	-
9:28	40.0	41.7	-
9:29	40.5	41.6	-
9:30	41.8	41.6	-
9:31	43.3	41.8	-
9:32	45.3	42.3	-
9:33	52.3	43.3	-
9:34	48.0	43.9	-
9:35	41.8	44.1	-
9:36	44.0	44.5	-
9:37	50.0	45.2	-
9:38	55.8	45.4	-
9:39	46.8	44.9	-
9:40	39.5	44.7	-
9:41	41.3	44.7	-
9:42	43.0	44.9	-
9:43	41.3	45.0	-
9:44	41.3	45.0	-
9:45	42.0	45.0	-
9:46	40.8	44.9	-
9:47	40.3	44.5	-
9:48	42.5	43.9	-
9:49	42.3	43.5	-
9:50	39.8	43.4	-
9:51	39.0	43.0	-
9:52	40.5	42.4	-
9:53	41.3	41.4	-
9:54	42.5	41.1	-
9:55	44.0	41.4	-
9:56	43.3	41.6	-
9:57	44.8	41.7	-
9:58	42.0	41.7	-
9:59	43.0	41.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	43.3	41.9	-
10:01	45.8	42.3	-
10:02	40.8	42.3	-
10:03	42.0	42.3	-
10:04	45.5	42.5	-
10:05	43.3	42.7	-
10:06	46.5	43.2	-
10:07	48.8	43.8	-
10:08	44.8	44.0	-
10:09	47.5	44.3	-
10:10	42.8	44.3	-
10:11	43.0	44.2	-
10:12	49.0	44.5	-
10:13	44.0	44.7	-
10:14	41.5	44.6	-
10:15	41.5	44.4	-
10:16	42.5	44.2	-
10:17	44.0	44.4	-
10:18	41.0	44.4	-
10:19	42.8	44.2	-
10:20	42.8	44.2	-
10:21	41.8	43.8	-
10:22	41.3	43.3	-
10:23	45.3	43.4	-
10:24	50.3	43.6	-
10:25	49.8	44.0	-
10:26	43.3	44.0	-
10:27	43.3	43.7	-
10:28	41.8	43.5	-
10:29	38.5	43.3	-
10:30	44.0	43.5	-
10:31	42.3	43.5	-
10:32	39.8	43.2	-
10:33	37.8	43.0	-
10:34	36.5	42.5	-
10:35	37.0	42.2	-
10:36	38.3	41.9	-
10:37	38.5	41.7	-
10:38	40.3	41.4	-
10:39	39.0	40.7	-
10:40	39.0	39.9	-
10:41	38.3	39.6	-
10:42	38.0	39.3	-
10:43	36.8	38.9	-
10:44	37.0	38.8	-
10:45	36.8	38.3	-
10:46	37.5	38.0	-
10:47	38.0	37.9	-
10:48	38.5	38.0	-
10:49	38.8	38.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	38.0	38.2	-
10:51	42.5	38.5	-
10:52	48.3	39.1	-
10:53	42.5	39.3	-
10:54	35.0	39.0	-
10:55	37.8	38.9	-
10:56	41.0	39.1	-
10:57	38.5	39.1	-
10:58	43.0	39.5	-
10:59	44.5	40.0	-
11:00	36.5	40.0	-
11:01	37.0	40.0	-
11:02	40.0	40.1	-
11:03	85.0	43.2	-
11:04	105.0	47.6	-
11:05	58.0	49.0	-
11:06	40.5	48.8	-
11:07	36.3	48.0	-
11:08	39.5	47.8	-
11:09	38.5	48.1	-
11:10	37.0	48.0	-
11:11	38.0	47.8	-
11:12	39.5	47.9	-
11:13	40.0	47.7	-
11:14	39.0	47.3	-
11:15	40.5	47.6	-
11:16	41.3	47.9	-
11:17	39.8	47.9	-
11:18	39.5	44.8	-
11:19	35.5	40.2	-
11:20	37.0	38.8	-
11:21	41.3	38.8	-
11:22	38.5	39.0	-
11:23	41.5	39.1	-
11:24	37.8	39.1	-
11:25	35.0	38.9	-
11:26	34.3	38.7	-
11:27	35.0	38.4	-
11:28	37.0	38.2	-
11:29	38.5	38.2	-
11:30	40.3	38.1	-
11:31	38.6	38.0	-
11:32	44.0	38.2	-
11:33	42.0	38.4	-
11:34	42.3	38.9	-
11:35	48.3	39.6	-
11:36	41.8	39.6	-
11:37	33.0	39.3	-
11:38	37.3	39.0	-
11:39	53.3	40.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	42.5	40.5	-
11:41	37.0	40.7	-
11:42	39.8	41.0	-
11:43	34.5	40.9	-
11:44	39.5	40.9	-
11:45	36.0	40.6	-
11:46	32.5	40.2	-
11:47	36.3	39.7	-
11:48	36.8	39.4	-
11:49	45.5	39.6	-
11:50	40.8	39.1	-
11:51	34.5	38.6	-
11:52	40.0	39.1	-
11:53	48.0	39.8	-
11:54	45.0	39.2	-
11:55	41.0	39.1	-
11:56	43.8	39.6	-
11:57	49.0	40.2	-
11:58	56.8	41.7	-
11:59	54.8	42.7	-
12:00	54.0	43.9	-
12:01	41.3	44.5	-
12:02	43.0	44.9	-
12:03	42.5	45.3	-
12:04	41.5	45.1	-
12:05	41.5	45.1	-
12:06	40.3	45.5	-
12:07	41.3	45.6	-
12:08	39.3	45.0	-
12:09	38.5	44.6	-
12:10	37.8	44.3	-
12:11	37.5	43.9	-
12:12	37.5	43.2	-
12:13	36.8	41.8	-
12:14	39.8	40.8	-
12:15	43.0	40.1	-
12:16	43.0	40.2	-
12:17	39.8	40.0	-
12:18	37.3	39.6	-
12:19	33.5	39.1	-
12:20	42.5	39.2	-
12:21	58.8	40.4	-
12:22	56.5	41.4	-
12:23	43.5	41.7	-
12:24	35.0	41.5	-
12:25	34.8	41.3	-
12:26	36.8	41.2	-
12:27	40.3	41.4	-
12:28	41.3	41.7	-
12:29	40.3	41.7	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	39.0	41.5	-
12:31	39.0	41.2	-
12:32	36.0	41.0	-
12:33	33.5	40.7	-
12:34	35.3	40.8	-
12:35	32.8	40.2	-
12:36	35.5	38.6	-
12:37	34.0	37.1	-
12:38	35.8	36.6	-
12:39	35.2	36.6	-
12:40	35.4	36.7	-
12:41	36.2	36.6	-
12:42	38.6	36.5	-
12:43	36.4	36.2	-
12:44	36.8	36.0	-
12:45	36.8	35.8	-
12:46	39.5	35.8	-
12:47	38.3	36.0	-
12:48	37.0	36.2	-
12:49	36.0	36.3	-
12:50	37.0	36.6	-
12:51	36.5	36.6	-
12:52	37.0	36.8	-
12:53	41.8	37.2	-
12:54	45.3	37.9	-
12:55	38.8	38.1	-
12:56	39.0	38.3	-
12:57	37.3	38.2	-
12:58	39.0	38.4	-
12:59	35.8	38.3	-
13:00	38.3	38.4	-
13:01	37.0	38.3	-
13:02	38.5	38.3	-
13:03	39.0	38.4	-
13:04	43.3	38.9	-
13:05	44.3	39.4	-
13:06	40.3	39.6	-
13:07	37.5	39.7	-
13:08	39.8	39.5	-
13:09	38.5	39.1	-
13:10	39.5	39.1	-
13:11	40.8	39.2	-
13:12	42.8	39.6	-
13:13	42.3	39.8	-
13:14	42.0	40.2	-
13:15	38.0	40.2	-
13:16	40.3	39.6	-
13:17	37.5	39.7	-
13:18	39.8	39.5	-
13:19	38.5	39.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	39.5	39.1	-
13:21	40.8	39.2	-
13:22	42.8	39.6	-
13:23	42.3	39.8	-
13:24	40.3	39.6	-
13:25	37.5	39.7	-
13:26	39.8	39.5	-
13:27	38.5	39.1	-
13:28	39.5	39.1	-
13:29	40.8	39.2	-
13:30	42.8	39.6	-
13:31	42.3	39.8	-
13:32	39.0	38.4	-
13:33	35.8	38.3	-
13:34	38.3	38.4	-
13:35	37.0	38.3	-
13:36	38.5	38.3	-
13:37	39.0	38.4	-
13:38	43.3	38.9	-
13:39	44.3	39.4	-
13:40	40.3	39.6	-
13:41	37.5	39.7	-
13:42	39.8	39.5	-
13:43	38.5	39.1	-
13:44	39.5	39.1	-
13:45	40.8	39.2	-
13:46	42.8	39.6	-
13:47	42.3	39.8	-
13:48	42.0	40.2	-
13:49	38.0	40.2	-
13:50	40.3	39.6	-
13:51	37.5	39.7	-
13:52	39.8	39.5	-
13:53	38.5	39.1	-
13:54	39.5	39.1	-
13:55	40.8	39.2	-
13:56	42.8	39.6	-
13:57	42.3	39.8	-
13:58	40.3	39.6	-
13:59	37.5	39.7	-
14:00	39.8	39.5	-
14:01	38.5	39.1	-
14:02	39.0	38.4	-
14:03	35.8	38.3	-
14:04	38.3	38.4	-
14:05	37.0	38.3	-
14:06	38.5	38.3	-
14:07	39.0	38.4	-
14:08	43.3	38.9	-
14:09	44.3	39.4	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	40.3	39.6	-
14:11	37.5	39.7	-
14:12	39.8	39.5	-
14:13	38.5	39.1	-
14:14	39.5	39.1	-
14:15	40.8	39.2	-
14:16	42.8	39.6	-
14:17	42.3	39.8	-
14:18	42.0	40.2	-
14:19	38.0	40.2	-
14:20	40.3	39.6	-
14:21	37.5	39.7	-
14:22	39.8	39.5	-
14:23	38.5	39.1	-
14:24	39.5	39.1	-
14:25	40.8	39.2	-
14:26	42.8	39.6	-
14:27	42.3	39.8	-
14:28	40.3	39.6	-
14:29	37.5	39.7	-
14:30	39.8	39.5	-
14:31	38.5	39.1	-
14:32	39.0	38.4	-
14:33	35.8	38.3	-
14:34	38.3	38.4	-
14:35	37.0	38.3	-
14:36	38.5	38.3	-
14:37	39.0	38.4	-
14:38	43.3	38.9	-
14:39	44.3	39.4	-
14:40	40.3	39.6	-
14:41	37.5	39.7	-
14:42	39.8	39.5	-
14:43	38.5	39.1	-
14:44	39.5	39.1	-
14:45	40.8	39.2	-
14:46	42.8	39.6	-
14:47	42.3	39.8	-
14:48	42.0	40.2	-
14:49	38.0	40.2	-
14:50	40.3	39.6	-
14:51	37.5	39.7	-
14:52	39.8	39.5	-
14:53	38.5	39.1	-
14:54	39.5	39.1	-
14:55	40.8	39.2	-
14:56	42.8	39.6	-
14:57	42.3	39.8	-
14:58	40.3	39.6	-
14:59	37.5	39.7	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	39.8	39.5	-
15:01	38.5	39.1	-
15:02	39.0	38.4	-
15:03	35.8	38.3	-
15:04	38.3	38.4	-
15:05	37.0	38.3	-
15:06	38.5	38.3	-
15:07	39.0	38.4	-
15:08	43.3	38.9	-
15:09	44.3	39.4	-
15:10	40.3	39.6	-
15:11	37.5	39.7	-
15:12	39.8	39.5	-
15:13	38.5	39.1	-
15:14	39.5	39.1	-
15:15	40.8	39.2	-
15:16	42.8	39.6	-
15:17	42.3	39.8	-
15:18	42.0	40.2	-
15:19	38.0	40.2	-
15:20	40.3	39.6	-
15:21	37.5	39.7	-
15:22	39.8	39.5	-
15:23	38.5	39.1	-
15:24	39.5	39.1	-
15:25	40.8	39.2	-
15:26	42.8	39.6	-
15:27	42.3	39.8	-
15:28	40.3	39.6	-
15:29	37.5	39.7	-
15:30	39.8	39.5	-
15:31	38.5	39.1	-
15:32	-	-	-

Friday, July 15, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			7:03
End Time:			15:41
PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	0.0	-	-
7:04	0.0	-	-
7:05	0.0	-	-
7:06	0.0	-	-
7:07	0.0	-	-
7:08	0.0	-	-
7:09	0.0	-	-
7:10	0.0	-	-
7:11	0.0	-	-
7:12	0.0	-	-
7:13	0.0	-	-
7:14	0.0	-	-
7:15	0.0	-	-
7:16	0.0	-	-
7:17	0.0	-	-
7:18	0.0	0.0	-
7:19	0.0	0.0	-
7:20	0.0	0.0	-
7:21	0.0	0.0	-
7:22	0.0	0.0	-
7:23	0.0	0.0	-
7:24	0.0	0.0	-
7:25	0.0	0.0	-
7:26	0.0	0.0	-
7:27	0.0	0.0	-
7:28	0.0	0.0	-
7:29	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
7:30	0.0	0.0	-
7:31	0.0	0.0	-
7:32	0.0	0.0	-
7:33	0.0	0.0	-
7:34	0.0	0.0	-
7:35	0.0	0.0	-
7:36	0.0	0.0	-
7:37	0.0	0.0	-
7:38	0.0	0.0	-
7:39	0.0	0.0	-
7:40	0.0	0.0	-
7:41	0.0	0.0	-
7:42	0.0	0.0	-
7:43	0.0	0.0	-
7:44	0.0	0.0	-
7:45	0.0	0.0	-
7:46	0.0	0.0	-
7:47	0.0	0.0	-
7:48	0.0	0.0	-
7:49	0.0	0.0	-
7:50	0.0	0.0	-
7:51	0.0	0.0	-
7:52	0.0	0.0	-
7:53	0.0	0.0	-
7:54	0.0	0.0	-
7:55	0.0	0.0	-
7:56	0.0	0.0	-
7:57	0.0	0.0	-
7:58	0.0	0.0	-
7:59	0.0	0.0	-
8:00	0.0	0.0	-
8:01	0.0	0.0	-
8:02	0.0	0.0	-
8:03	0.0	0.0	-
8:04	0.0	0.0	-
8:05	0.0	0.0	-
8:06	0.0	0.0	-
8:07	0.0	0.0	-
8:08	0.0	0.0	-
8:09	0.0	0.0	-
8:10	0.0	0.0	-
8:11	0.0	0.0	-
8:12	0.0	0.0	-
8:13	0.0	0.0	-
8:14	0.0	0.0	-
8:15	0.0	0.0	-
8:16	0.0	0.0	-
8:17	0.0	0.0	-
8:18	0.0	0.0	-
8:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:20	0.0	0.0	-
8:21	0.0	0.0	-
8:22	0.0	0.0	-
8:23	0.0	0.0	-
8:24	0.0	0.0	-
8:25	0.0	0.0	-
8:26	0.0	0.0	-
8:27	0.0	0.0	-
8:28	0.0	0.0	-
8:29	0.0	0.0	-
8:30	0.0	0.0	-
8:31	0.0	0.0	-
8:32	0.0	0.0	-
8:33	0.0	0.0	-
8:34	0.0	0.0	-
8:35	0.0	0.0	-
8:36	0.0	0.0	-
8:37	0.0	0.0	-
8:38	0.0	0.0	-
8:39	0.0	0.0	-
8:40	0.0	0.0	-
8:41	0.0	0.0	-
8:42	0.0	0.0	-
8:43	0.0	0.0	-
8:44	0.0	0.0	-
8:45	0.0	0.0	-
8:46	0.0	0.0	-
8:47	0.0	0.0	-
8:48	0.0	0.0	-
8:49	0.0	0.0	-
8:50	0.0	0.0	-
8:51	0.0	0.0	-
8:52	0.0	0.0	-
8:53	0.0	0.0	-
8:54	0.0	0.0	-
8:55	0.0	0.0	-
8:56	0.0	0.0	-
8:57	0.0	0.0	-
8:58	0.0	0.0	-
8:59	0.0	0.0	-
9:00	0.0	0.0	-
9:01	0.0	0.0	-
9:02	0.0	0.0	-
9:03	0.0	0.0	-
9:04	0.0	0.0	-
9:05	0.0	0.0	-
9:06	0.0	0.0	-
9:07	0.0	0.0	-
9:08	0.0	0.0	-
9:09	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
9:10	0.0	0.0	-
9:11	0.0	0.0	-
9:12	0.0	0.0	-
9:13	0.0	0.0	-
9:14	0.0	0.0	-
9:15	0.0	0.0	-
9:16	0.0	0.0	-
9:17	0.0	0.0	-
9:18	0.0	0.0	-
9:19	0.0	0.0	-
9:20	0.0	0.0	-
9:21	0.0	0.0	-
9:22	0.0	0.0	-
9:23	0.0	0.0	-
9:24	0.0	0.0	-
9:25	0.0	0.0	-
9:26	0.0	0.0	-
9:27	0.0	0.0	-
9:28	0.0	0.0	-
9:29	0.0	0.0	-
9:30	0.0	0.0	-
9:31	0.0	0.0	-
9:32	0.0	0.0	-
9:33	0.0	0.0	-
9:34	0.0	0.0	-
9:35	0.0	0.0	-
9:36	0.0	0.0	-
9:37	0.0	0.0	-
9:38	0.0	0.0	-
9:39	0.0	0.0	-
9:40	0.0	0.0	-
9:41	0.0	0.0	-
9:42	0.0	0.0	-
9:43	0.0	0.0	-
9:44	0.0	0.0	-
9:45	0.0	0.0	-
9:46	0.0	0.0	-
9:47	0.0	0.0	-
9:48	0.0	0.0	-
9:49	0.0	0.0	-
9:50	0.0	0.0	-
9:51	0.0	0.0	-
9:52	0.0	0.0	-
9:53	0.0	0.0	-
9:54	0.0	0.0	-
9:55	0.0	0.0	-
9:56	0.0	0.0	-
9:57	0.0	0.0	-
9:58	0.0	0.0	-
9:59	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
10:00	0.0	0.0	-
10:01	0.0	0.0	-
10:02	0.0	0.0	-
10:03	0.0	0.0	-
10:04	0.0	0.0	-
10:05	0.0	0.0	-
10:06	0.0	0.0	-
10:07	0.0	0.0	-
10:08	0.0	0.0	-
10:09	0.0	0.0	-
10:10	0.0	0.0	-
10:11	0.0	0.0	-
10:12	0.0	0.0	-
10:13	0.0	0.0	-
10:14	0.0	0.0	-
10:15	0.0	0.0	-
10:16	0.0	0.0	-
10:17	0.0	0.0	-
10:18	0.0	0.0	-
10:19	0.0	0.0	-
10:20	0.0	0.0	-
10:21	0.0	0.0	-
10:22	0.0	0.0	-
10:23	0.0	0.0	-
10:24	0.0	0.0	-
10:25	0.0	0.0	-
10:26	0.0	0.0	-
10:27	0.0	0.0	-
10:28	0.0	0.0	-
10:29	0.0	0.0	-
10:30	0.0	0.0	-
10:31	0.0	0.0	-
10:32	0.0	0.0	-
10:33	0.0	0.0	-
10:34	0.0	0.0	-
10:35	0.0	0.0	-
10:36	0.0	0.0	-
10:37	0.0	0.0	-
10:38	0.0	0.0	-
10:39	0.0	0.0	-
10:40	0.0	0.0	-
10:41	0.0	0.0	-
10:42	0.0	0.0	-
10:43	0.0	0.0	-
10:44	0.0	0.0	-
10:45	0.0	0.0	-
10:46	0.0	0.0	-
10:47	0.0	0.0	-
10:48	0.0	0.0	-
10:49	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
10:50	0.0	0.0	-
10:51	0.0	0.0	-
10:52	0.0	0.0	-
10:53	0.0	0.0	-
10:54	0.0	0.0	-
10:55	0.0	0.0	-
10:56	0.0	0.0	-
10:57	0.0	0.0	-
10:58	0.0	0.0	-
10:59	0.0	0.0	-
11:00	0.0	0.0	-
11:01	0.0	0.0	-
11:02	0.0	0.0	-
11:03	0.0	0.0	-
11:04	0.0	0.0	-
11:05	0.0	0.0	-
11:06	0.0	0.0	-
11:07	0.0	0.0	-
11:08	0.0	0.0	-
11:09	0.0	0.0	-
11:10	0.0	0.0	-
11:11	0.0	0.0	-
11:12	0.0	0.0	-
11:13	0.0	0.0	-
11:14	0.0	0.0	-
11:15	0.0	0.0	-
11:16	0.0	0.0	-
11:17	0.0	0.0	-
11:18	0.0	0.0	-
11:19	0.0	0.0	-
11:20	0.0	0.0	-
11:21	0.0	0.0	-
11:22	0.0	0.0	-
11:23	0.0	0.0	-
11:24	0.0	0.0	-
11:25	0.0	0.0	-
11:26	0.0	0.0	-
11:27	0.0	0.0	-
11:28	0.0	0.0	-
11:29	0.0	0.0	-
11:30	0.0	0.0	-
11:31	0.0	0.0	-
11:32	0.0	0.0	-
11:33	0.0	0.0	-
11:34	0.0	0.0	-
11:35	0.0	0.0	-
11:36	0.0	0.0	-
11:37	0.0	0.0	-
11:38	0.0	0.0	-
11:39	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
11:40	0.0	0.0	-
11:41	0.0	0.0	-
11:42	0.0	0.0	-
11:43	0.0	0.0	-
11:44	0.0	0.0	-
11:45	0.0	0.0	-
11:46	0.0	0.0	-
11:47	0.0	0.0	-
11:48	0.0	0.0	-
11:49	0.0	0.0	-
11:50	0.0	0.0	-
11:51	0.0	0.0	-
11:52	0.0	0.0	-
11:53	0.0	0.0	-
11:54	0.0	0.0	-
11:55	0.0	0.0	-
11:56	0.0	0.0	-
11:57	0.0	0.0	-
11:58	0.0	0.0	-
11:59	0.0	0.0	-
12:00	0.0	0.0	-
12:01	0.0	0.0	-
12:02	0.0	0.0	-
12:03	0.0	0.0	-
12:04	0.0	0.0	-
12:05	0.0	0.0	-
12:06	0.0	0.0	-
12:07	0.0	0.0	-
12:08	0.0	0.0	-
12:09	0.0	0.0	-
12:10	0.0	0.0	-
12:11	0.0	0.0	-
12:12	0.0	0.0	-
12:13	0.0	0.0	-
12:14	0.0	0.0	-
12:15	0.0	0.0	-
12:16	0.0	0.0	-
12:17	0.0	0.0	-
12:18	0.0	0.0	-
12:19	0.0	0.0	-
12:20	0.0	0.0	-
12:21	0.0	0.0	-
12:22	0.0	0.0	-
12:23	0.0	0.0	-
12:24	0.0	0.0	-
12:25	0.0	0.0	-
12:26	0.0	0.0	-
12:27	0.0	0.0	-
12:28	0.0	0.0	-
12:29	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
12:30	0.0	0.0	-
12:31	0.0	0.0	-
12:32	0.0	0.0	-
12:33	0.0	0.0	-
12:34	0.0	0.0	-
12:35	0.0	0.0	-
12:36	0.0	0.0	-
12:37	0.0	0.0	-
12:38	0.0	0.0	-
12:39	0.0	0.0	-
12:40	0.0	0.0	-
12:41	0.0	0.0	-
12:42	0.0	0.0	-
12:43	0.0	0.0	-
12:44	0.0	0.0	-
12:45	0.0	0.0	-
12:46	0.0	0.0	-
12:47	0.0	0.0	-
12:48	0.0	0.0	-
12:49	0.0	0.0	-
12:50	0.0	0.0	-
12:51	0.0	0.0	-
12:52	0.0	0.0	-
12:53	0.0	0.0	-
12:54	0.0	0.0	-
12:55	0.0	0.0	-
12:56	0.0	0.0	-
12:57	0.0	0.0	-
12:58	0.0	0.0	-
12:59	0.0	0.0	-
13:00	0.0	0.0	-
13:01	0.0	0.0	-
13:02	0.0	0.0	-
13:03	0.0	0.0	-
13:04	0.0	0.0	-
13:05	0.0	0.0	-
13:06	0.0	0.0	-
13:07	0.0	0.0	-
13:08	0.0	0.0	-
13:09	0.0	0.0	-
13:10	0.0	0.0	-
13:11	0.0	0.0	-
13:12	0.0	0.0	-
13:13	0.0	0.0	-
13:14	0.0	0.0	-
13:15	0.0	0.0	-
13:16	0.0	0.0	-
13:17	0.0	0.0	-
13:18	0.0	0.0	-
13:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
13:20	0.0	0.0	-
13:21	0.0	0.0	-
13:22	0.0	0.0	-
13:23	0.0	0.0	-
13:24	0.0	0.0	-
13:25	0.0	0.0	-
13:26	0.0	0.0	-
13:27	0.0	0.0	-
13:28	0.0	0.0	-
13:29	0.0	0.0	-
13:30	0.0	0.0	-
13:31	0.0	0.0	-
13:32	0.0	0.0	-
13:33	0.0	0.0	-
13:34	0.0	0.0	-
13:35	0.0	0.0	-
13:36	0.0	0.0	-
13:37	0.0	0.0	-
13:38	0.0	0.0	-
13:39	0.0	0.0	-
13:40	0.0	0.0	-
13:41	0.0	0.0	-
13:42	0.0	0.0	-
13:43	0.0	0.0	-
13:44	0.0	0.0	-
13:45	0.0	0.0	-
13:46	0.0	0.0	-
13:47	0.0	0.0	-
13:48	0.0	0.0	-
13:49	0.0	0.0	-
13:50	0.0	0.0	-
13:51	0.0	0.0	-
13:52	0.0	0.0	-
13:53	0.0	0.0	-
13:54	0.0	0.0	-
13:55	0.0	0.0	-
13:56	0.0	0.0	-
13:57	0.0	0.0	-
13:58	0.0	0.0	-
13:59	0.0	0.0	-
14:00	0.0	0.0	-
14:01	0.0	0.0	-
14:02	0.0	0.0	-
14:03	0.0	0.0	-
14:04	0.0	0.0	-
14:05	0.0	0.0	-
14:06	0.0	0.0	-
14:07	0.0	0.0	-
14:08	0.0	0.0	-
14:09	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
14:10	0.0	0.0	-
14:11	0.0	0.0	-
14:12	0.0	0.0	-
14:13	0.0	0.0	-
14:14	0.0	0.0	-
14:15	0.0	0.0	-
14:16	0.0	0.0	-
14:17	0.0	0.0	-
14:18	0.0	0.0	-
14:19	0.0	0.0	-
14:20	0.0	0.0	-
14:21	0.0	0.0	-
14:22	0.0	0.0	-
14:23	0.0	0.0	-
14:24	0.0	0.0	-
14:25	0.0	0.0	-
14:26	0.0	0.0	-
14:27	0.0	0.0	-
14:28	0.0	0.0	-
14:29	0.0	0.0	-
14:30	0.0	0.0	-
14:31	0.0	0.0	-
14:32	0.0	0.0	-
14:33	0.0	0.0	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
15:00	0.0	0.0	-
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	-	-	-

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

DAILY AIR MONITORING REPORT

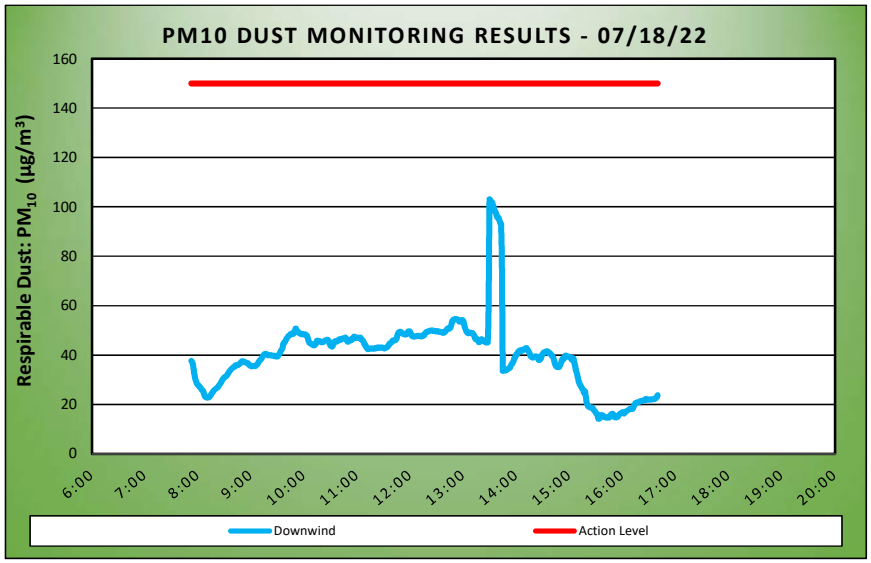
23-30 Borden Ave Site Investigation

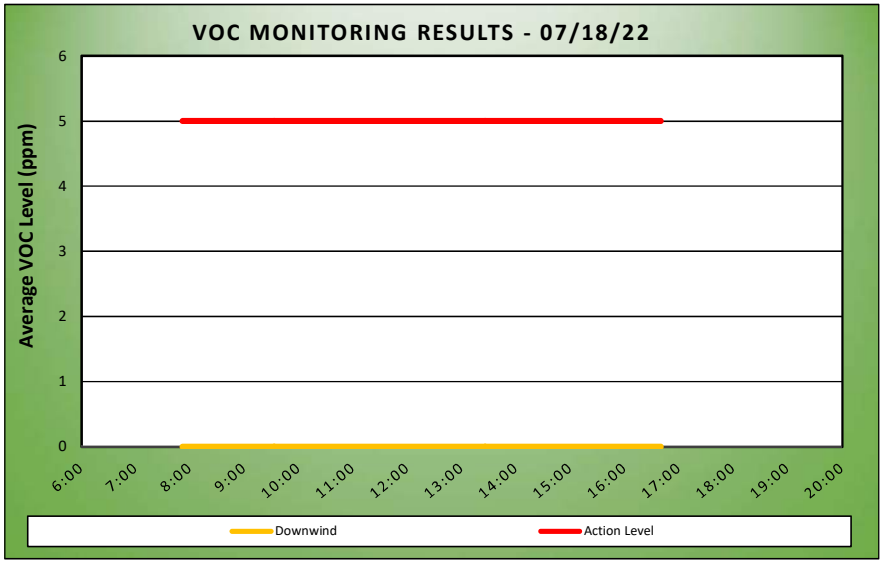
Long Island City, New York

07/18/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	138 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	SE	Relative Humidity (%)	69.0 - 88.0	Daily Rain (in)	0.15	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	74.0 - 84.0	Wind Speed (MPH)	1.7 - 6.1	Barometer (inHg)	29.80 - 30.00			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	39.6	103.0	13:30	0.0	0.0	7:52



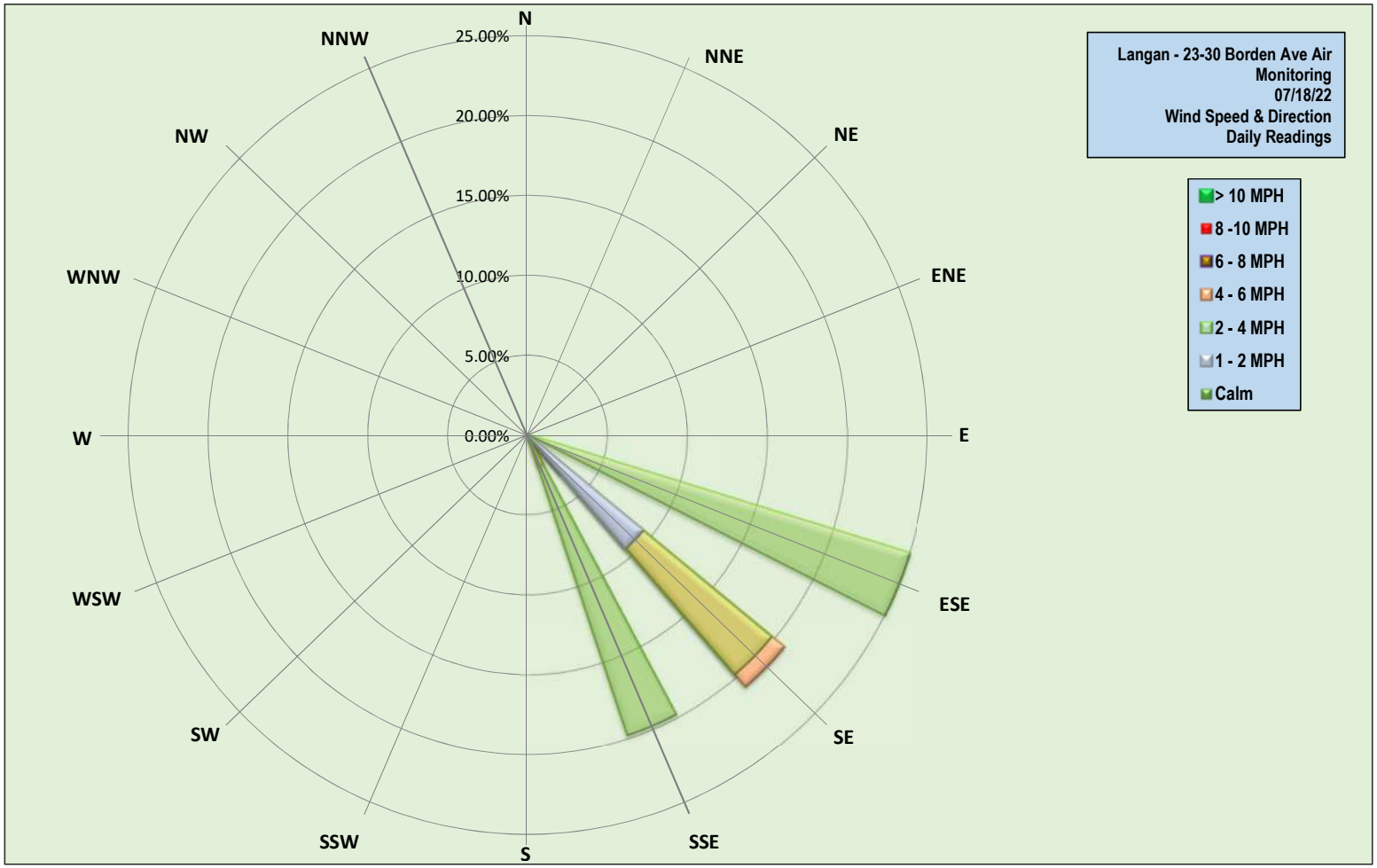


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


Langan - 23-30 Borden Ave Air Monitoring
07/18/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
25.00%
20.00%
15.00%
10.00%
5.00%
0.00%

Monday, July 18, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			0
Start Time:			7:38
End Time:			16:40
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10	-	-	-
7:11	-	-	-
7:12	-	-	-
7:13	-	-	-
7:14	-	-	-
7:15	-	-	-
7:16	-	-	-
7:17	-	-	-
7:18	-	-	-
7:19	-	-	-
7:20	-	-	-
7:21	-	-	-
7:22	-	-	-
7:23	-	-	-
7:24	-	-	-
7:25	-	-	-
7:26	-	-	-
7:27	-	-	-
7:28	-	-	-
7:29	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	-	-	-
7:31	-	-	-
7:32	-	-	-
7:33	-	-	-
7:34	-	-	-
7:35	-	-	-
7:36	-	-	-
7:37	-	-	-
7:38	38.0	-	-
7:39	40.8	-	-
7:40	46.0	-	-
7:41	64.0	-	-
7:42	52.8	-	-
7:43	41.5	-	-
7:44	38.0	-	-
7:45	31.3	-	-
7:46	28.0	-	-
7:47	31.0	-	-
7:48	26.5	-	-
7:49	28.3	-	-
7:50	29.8	-	-
7:51	28.0	-	-
7:52	37.0	-	-
7:53	41.5	37.6	-
7:54	30.0	36.9	-
7:55	26.0	35.6	-
7:56	24.5	32.9	-
7:57	23.3	31.0	-
7:58	22.5	29.7	-
7:59	22.0	28.6	-
8:00	22.0	28.0	-
8:01	23.3	27.7	-
8:02	23.8	27.2	-
8:03	21.5	26.9	-
8:04	21.0	26.4	-
8:05	22.0	25.9	-
8:06	22.8	25.5	-
8:07	23.8	24.7	-
8:08	24.0	23.5	-
8:09	23.0	23.0	-
8:10	23.0	22.8	-
8:11	23.5	22.8	-
8:12	24.5	22.8	-
8:13	24.8	23.0	-
8:14	27.0	23.3	-
8:15	30.8	23.9	-
8:16	31.5	24.5	-
8:17	32.0	25.0	-
8:18	28.5	25.5	-
8:19	27.0	25.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	27.0	26.2	-
8:21	27.0	26.5	-
8:22	27.8	26.8	-
8:23	28.0	27.0	-
8:24	30.8	27.5	-
8:25	31.0	28.1	-
8:26	32.5	28.7	-
8:27	33.0	29.2	-
8:28	33.8	29.8	-
8:29	36.5	30.5	-
8:30	36.3	30.8	-
8:31	36.3	31.2	-
8:32	35.0	31.4	-
8:33	35.0	31.8	-
8:34	34.8	32.3	-
8:35	34.8	32.8	-
8:36	35.3	33.4	-
8:37	35.0	33.9	-
8:38	34.6	34.3	-
8:39	36.5	34.7	-
8:40	35.3	35.0	-
8:41	35.3	35.1	-
8:42	37.0	35.4	-
8:43	40.5	35.9	-
8:44	37.5	35.9	-
8:45	36.5	35.9	-
8:46	37.8	36.0	-
8:47	38.0	36.2	-
8:48	40.0	36.6	-
8:49	41.8	37.0	-
8:50	40.8	37.4	-
8:51	35.3	37.4	-
8:52	33.5	37.3	-
8:53	33.8	37.3	-
8:54	32.3	37.0	-
8:55	33.5	36.9	-
8:56	34.5	36.8	-
8:57	34.3	36.7	-
8:58	33.0	36.2	-
8:59	32.0	35.8	-
9:00	34.3	35.6	-
9:01	35.3	35.5	-
9:02	38.8	35.5	-
9:03	40.0	35.5	-
9:04	41.5	35.5	-
9:05	40.8	35.5	-
9:06	38.8	35.7	-
9:07	38.5	36.1	-
9:08	40.8	36.5	-
9:09	42.0	37.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
9:10	41.3	37.7	-
9:11	40.0	38.1	-
9:12	40.3	38.5	-
9:13	42.3	39.1	-
9:14	41.5	39.7	-
9:15	39.8	40.1	-
9:16	40.0	40.4	-
9:17	39.3	40.4	-
9:18	39.0	40.4	-
9:19	38.0	40.1	-
9:20	37.5	39.9	-
9:21	38.3	39.9	-
9:22	39.8	40.0	-
9:23	40.0	39.9	-
9:24	40.8	39.8	-
9:25	40.0	39.8	-
9:26	38.8	39.7	-
9:27	39.8	39.6	-
9:28	40.0	39.5	-
9:29	40.0	39.4	-
9:30	40.3	39.4	-
9:31	44.0	39.7	-
9:32	48.3	40.3	-
9:33	46.3	40.8	-
9:34	49.0	41.5	-
9:35	48.5	42.2	-
9:36	48.5	42.9	-
9:37	65.5	44.6	-
9:38	46.5	45.1	-
9:39	48.5	45.6	-
9:40	50.3	46.3	-
9:41	47.5	46.9	-
9:42	47.8	47.4	-
9:43	45.3	47.7	-
9:44	45.0	48.1	-
9:45	46.0	48.5	-
9:46	46.5	48.6	-
9:47	46.0	48.5	-
9:48	48.4	48.6	-
9:49	53.6	48.9	-
9:50	65.2	50.0	-
9:51	59.3	50.7	-
9:52	48.3	49.6	-
9:53	46.0	49.6	-
9:54	44.0	49.3	-
9:55	44.5	48.9	-
9:56	45.0	48.7	-
9:57	45.0	48.5	-
9:58	43.5	48.4	-
9:59	46.0	48.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	44.3	48.4	-
10:01	46.3	48.3	-
10:02	45.3	48.3	-
10:03	44.5	48.0	-
10:04	45.8	47.5	-
10:05	45.8	46.2	-
10:06	43.8	45.2	-
10:07	42.5	44.8	-
10:08	43.5	44.6	-
10:09	40.8	44.4	-
10:10	40.0	44.1	-
10:11	42.3	43.9	-
10:12	45.5	44.0	-
10:13	48.0	44.3	-
10:14	55.8	44.9	-
10:15	57.3	45.8	-
10:16	45.8	45.8	-
10:17	44.3	45.7	-
10:18	43.5	45.6	-
10:19	42.8	45.4	-
10:20	42.3	45.2	-
10:21	44.0	45.2	-
10:22	43.5	45.3	-
10:23	49.3	45.7	-
10:24	44.3	45.9	-
10:25	42.0	46.0	-
10:26	43.8	46.1	-
10:27	46.3	46.2	-
10:28	42.3	45.8	-
10:29	42.3	44.9	-
10:30	43.3	44.0	-
10:31	41.8	43.7	-
10:32	40.5	43.4	-
10:33	50.8	43.9	-
10:34	55.8	44.8	-
10:35	52.8	45.5	-
10:36	45.8	45.6	-
10:37	45.3	45.7	-
10:38	47.0	45.6	-
10:39	49.0	45.9	-
10:40	48.3	46.3	-
10:41	44.5	46.4	-
10:42	44.0	46.2	-
10:43	46.3	46.5	-
10:44	46.3	46.7	-
10:45	44.3	46.8	-
10:46	43.0	46.9	-
10:47	43.3	47.1	-
10:48	43.0	46.6	-
10:49	42.3	45.7	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	49.0	45.4	-
10:51	48.8	45.6	-
10:52	47.5	45.8	-
10:53	51.3	46.0	-
10:54	56.2	46.5	-
10:55	45.8	46.4	-
10:56	54.2	47.0	-
10:57	50.8	47.5	-
10:58	44.3	47.3	-
10:59	41.8	47.0	-
11:00	42.8	46.9	-
11:01	44.3	47.0	-
11:02	42.0	46.9	-
11:03	42.3	46.9	-
11:04	44.8	47.0	-
11:05	42.0	46.6	-
11:06	41.0	46.1	-
11:07	42.5	45.7	-
11:08	41.8	45.1	-
11:09	41.0	44.1	-
11:10	42.3	43.8	-
11:11	42.5	43.1	-
11:12	42.8	42.5	-
11:13	42.3	42.4	-
11:14	44.0	42.5	-
11:15	44.0	42.6	-
11:16	44.8	42.7	-
11:17	42.5	42.7	-
11:18	41.5	42.6	-
11:19	43.5	42.6	-
11:20	44.3	42.7	-
11:21	43.0	42.8	-
11:22	41.3	42.8	-
11:23	45.3	43.0	-
11:24	42.8	43.1	-
11:25	40.0	43.0	-
11:26	41.8	42.9	-
11:27	44.3	43.0	-
11:28	42.5	43.0	-
11:29	43.8	43.0	-
11:30	42.3	42.9	-
11:31	42.0	42.7	-
11:32	43.5	42.8	-
11:33	45.8	43.1	-
11:34	45.5	43.2	-
11:35	48.3	43.5	-
11:36	50.8	44.0	-
11:37	50.5	44.6	-
11:38	48.0	44.8	-
11:39	47.0	45.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	47.8	45.6	-
11:41	47.3	45.9	-
11:42	43.5	45.9	-
11:43	43.8	46.0	-
11:44	45.5	46.1	-
11:45	52.8	46.8	-
11:46	62.3	48.1	-
11:47	56.3	49.0	-
11:48	50.5	49.3	-
11:49	47.3	49.4	-
11:50	46.5	49.3	-
11:51	45.5	49.0	-
11:52	46.0	48.7	-
11:53	45.8	48.5	-
11:54	46.0	48.4	-
11:55	45.8	48.3	-
11:56	49.3	48.4	-
11:57	50.0	48.9	-
11:58	53.0	49.5	-
11:59	46.8	49.6	-
12:00	52.0	49.5	-
12:01	50.0	48.7	-
12:02	45.0	48.0	-
12:03	45.0	47.6	-
12:04	46.0	47.5	-
12:05	46.0	47.5	-
12:06	47.6	47.6	-
12:07	46.6	47.6	-
12:08	46.0	47.7	-
12:09	46.8	47.7	-
12:10	47.0	47.8	-
12:11	47.5	47.7	-
12:12	50.5	47.7	-
12:13	50.0	47.5	-
12:14	52.3	47.9	-
12:15	50.8	47.8	-
12:16	53.0	48.0	-
12:17	53.0	48.5	-
12:18	53.8	49.1	-
12:19	50.5	49.4	-
12:20	47.8	49.5	-
12:21	48.5	49.6	-
12:22	48.8	49.7	-
12:23	48.0	49.9	-
12:24	47.0	49.9	-
12:25	47.5	49.9	-
12:26	48.5	50.0	-
12:27	47.3	49.8	-
12:28	48.8	49.7	-
12:29	51.0	49.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	52.0	49.7	-
12:31	52.0	49.6	-
12:32	52.8	49.6	-
12:33	51.0	49.4	-
12:34	49.5	49.4	-
12:35	47.0	49.3	-
12:36	46.5	49.2	-
12:37	46.5	49.0	-
12:38	47.8	49.0	-
12:39	51.0	49.3	-
12:40	51.3	49.5	-
12:41	56.5	50.1	-
12:42	54.5	50.5	-
12:43	53.8	50.9	-
12:44	49.5	50.8	-
12:45	52.3	50.8	-
12:46	60.0	51.3	-
12:47	69.3	52.4	-
12:48	71.3	53.8	-
12:49	56.3	54.2	-
12:50	50.0	54.4	-
12:51	49.0	54.6	-
12:52	46.8	54.6	-
12:53	46.0	54.5	-
12:54	49.5	54.4	-
12:55	47.0	54.1	-
12:56	48.8	53.6	-
12:57	54.5	53.6	-
12:58	55.5	53.7	-
12:59	56.8	54.2	-
13:00	48.5	53.9	-
13:01	43.8	52.9	-
13:02	48.0	51.4	-
13:03	54.5	50.3	-
13:04	43.8	49.5	-
13:05	42.8	49.0	-
13:06	46.5	48.8	-
13:07	48.5	49.0	-
13:08	48.8	49.1	-
13:09	47.0	49.0	-
13:10	45.3	48.9	-
13:11	48.5	48.8	-
13:12	46.0	48.3	-
13:13	45.0	47.6	-
13:14	41.8	46.6	-
13:15	46.4	46.4	-
13:16	43.8	46.4	-
13:17	40.6	45.9	-
13:18	43.4	45.2	-
13:19	48.5	45.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	51.3	46.1	-
13:21	51.0	46.4	-
13:22	40.5	45.8	-
13:23	48.3	45.8	-
13:24	47.0	45.8	-
13:25	37.8	45.3	-
13:26	46.0	45.1	-
13:27	50.5	45.4	-
13:28	40.8	45.2	-
13:29	278.3	60.9	-
13:30	677.5	103.0	-
13:31	36.5	102.5	-
13:32	35.3	102.2	-
13:33	36.3	101.7	-
13:34	31.8	100.6	-
13:35	35.5	99.5	-
13:36	33.0	98.3	-
13:37	32.3	97.8	-
13:38	30.3	96.6	-
13:39	33.0	95.6	-
13:40	38.3	95.7	-
13:41	34.0	94.9	-
13:42	31.5	93.6	-
13:43	31.8	93.0	-
13:44	34.0	76.7	-
13:45	31.8	33.7	-
13:46	45.0	34.2	-
13:47	30.8	33.9	-
13:48	33.3	33.7	-
13:49	34.8	33.9	-
13:50	37.5	34.1	-
13:51	38.8	34.5	-
13:52	35.0	34.6	-
13:53	34.0	34.9	-
13:54	45.8	35.7	-
13:55	47.3	36.3	-
13:56	39.3	36.7	-
13:57	41.8	37.4	-
13:58	50.5	38.6	-
13:59	43.8	39.3	-
14:00	44.0	40.1	-
14:01	47.5	40.3	-
14:02	43.3	41.1	-
14:03	39.3	41.5	-
14:04	40.0	41.8	-
14:05	37.3	41.8	-
14:06	36.0	41.6	-
14:07	38.8	41.9	-
14:08	38.3	42.2	-
14:09	46.5	42.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	52.3	42.6	-
14:11	42.5	42.8	-
14:12	41.8	42.8	-
14:13	40.5	42.1	-
14:14	37.5	41.7	-
14:15	33.0	41.0	-
14:16	31.8	39.9	-
14:17	34.3	39.3	-
14:18	37.8	39.2	-
14:19	36.5	39.0	-
14:20	39.3	39.1	-
14:21	40.3	39.4	-
14:22	40.0	39.5	-
14:23	38.0	39.5	-
14:24	41.8	39.1	-
14:25	39.8	38.3	-
14:26	37.4	38.0	-
14:27	44.0	38.1	-
14:28	49.0	38.7	-
14:29	52.8	39.7	-
14:30	44.3	40.5	-
14:31	38.5	40.9	-
14:32	37.0	41.1	-
14:33	37.0	41.0	-
14:34	42.5	41.4	-
14:35	41.3	41.6	-
14:36	36.8	41.3	-
14:37	31.5	40.8	-
14:38	37.0	40.7	-
14:39	38.5	40.5	-
14:40	30.8	39.9	-
14:41	33.3	39.6	-
14:42	35.0	39.0	-
14:43	33.5	38.0	-
14:44	30.8	36.5	-
14:45	32.0	35.7	-
14:46	32.3	35.3	-
14:47	35.3	35.2	-
14:48	38.3	35.2	-
14:49	42.5	35.2	-
14:50	52.8	36.0	-
14:51	50.3	36.9	-
14:52	49.3	38.1	-
14:53	44.5	38.6	-
14:54	37.0	38.5	-
14:55	42.0	39.2	-
14:56	41.0	39.8	-
14:57	34.0	39.7	-
14:58	30.5	39.5	-
14:59	30.0	39.4	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	29.3	39.3	-
15:01	30.0	39.1	-
15:02	29.8	38.7	-
15:03	29.0	38.1	-
15:04	51.3	38.7	-
15:05	49.5	38.5	-
15:06	25.0	36.8	-
15:07	23.3	35.1	-
15:08	19.5	33.4	-
15:09	20.3	32.3	-
15:10	18.0	30.7	-
15:11	17.3	29.1	-
15:12	20.8	28.2	-
15:13	21.3	27.6	-
15:14	19.5	26.9	-
15:15	19.8	26.3	-
15:16	20.8	25.7	-
15:17	15.8	24.7	-
15:18	37.0	25.3	-
15:19	14.0	22.8	-
15:20	14.8	20.5	-
15:21	12.5	19.6	-
15:22	15.5	19.1	-
15:23	16.5	18.9	-
15:24	18.3	18.8	-
15:25	19.5	18.9	-
15:26	15.8	18.8	-
15:27	13.3	18.3	-
15:28	13.0	17.7	-
15:29	13.0	17.3	-
15:30	12.3	16.8	-
15:31	12.0	16.2	-
15:32	12.0	16.0	-
15:33	12.4	14.3	-
15:34	12.8	14.2	-
15:35	20.2	14.6	-
15:36	27.0	15.6	-
15:37	17.0	15.7	-
15:38	13.8	15.5	-
15:39	15.0	15.3	-
15:40	15.5	15.0	-
15:41	12.3	14.8	-
15:42	12.5	14.7	-
15:43	13.0	14.7	-
15:44	12.5	14.7	-
15:45	12.0	14.7	-
15:46	16.0	14.9	-
15:47	25.3	15.8	-
15:48	15.8	16.0	-
15:49	15.3	16.2	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:50	15.5	15.9	-
15:51	14.0	15.0	-
15:52	14.0	14.8	-
15:53	14.0	14.8	-
15:54	15.0	14.8	-
15:55	19.0	15.1	-
15:56	20.5	15.6	-
15:57	18.8	16.0	-
15:58	16.5	16.3	-
15:59	16.0	16.5	-
16:00	16.0	16.8	-
16:01	16.5	16.8	-
16:02	18.5	16.4	-
16:03	20.5	16.7	-
16:04	21.0	17.1	-
16:05	19.0	17.3	-
16:06	18.0	17.6	-
16:07	17.5	17.8	-
16:08	17.5	18.0	-
16:09	18.5	18.3	-
16:10	18.8	18.2	-
16:11	19.0	18.1	-
16:12	21.3	18.3	-
16:13	28.3	19.1	-
16:14	28.3	19.9	-
16:15	25.0	20.5	-
16:16	19.8	20.7	-
16:17	19.0	20.8	-
16:18	20.8	20.8	-
16:19	25.0	21.0	-
16:20	21.0	21.2	-
16:21	20.0	21.3	-
16:22	20.0	21.5	-
16:23	19.0	21.6	-
16:24	19.3	21.6	-
16:25	20.0	21.7	-
16:26	24.3	22.1	-
16:27	24.3	22.3	-
16:28	24.0	22.0	-
16:29	26.8	21.9	-
16:30	25.3	21.9	-
16:31	20.8	22.0	-
16:32	20.5	22.1	-
16:33	21.8	22.1	-
16:34	23.8	22.0	-
16:35	22.0	22.1	-
16:36	21.0	22.2	-
16:37	22.0	22.3	-
16:38	22.0	22.5	-
16:39	26.5	23.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
16:40	30.5	23.7	-
16:41	-	-	-

Monday, July 18, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			7:37
End Time:			16:40
PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10	-	-	-
7:11	-	-	-
7:12	-	-	-
7:13	-	-	-
7:14	-	-	-
7:15	-	-	-
7:16	-	-	-
7:17	-	-	-
7:18	-	-	-
7:19	-	-	-
7:20	-	-	-
7:21	-	-	-
7:22	-	-	-
7:23	-	-	-
7:24	-	-	-
7:25	-	-	-
7:26	-	-	-
7:27	-	-	-
7:28	-	-	-
7:29	-	-	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
7:30	-	-	-
7:31	-	-	-
7:32	-	-	-
7:33	-	-	-
7:34	-	-	-
7:35	-	-	-
7:36	-	-	-
7:37	0.0	-	-
7:38	0.0	-	-
7:39	0.0	-	-
7:40	0.0	-	-
7:41	0.0	-	-
7:42	0.0	-	-
7:43	0.0	-	-
7:44	0.0	-	-
7:45	0.0	-	-
7:46	0.0	-	-
7:47	0.0	-	-
7:48	0.0	-	-
7:49	0.0	-	-
7:50	0.0	-	-
7:51	0.0	-	-
7:52	0.0	0.0	-
7:53	0.0	0.0	-
7:54	0.0	0.0	-
7:55	0.0	0.0	-
7:56	0.0	0.0	-
7:57	0.0	0.0	-
7:58	0.0	0.0	-
7:59	0.0	0.0	-
8:00	0.0	0.0	-
8:01	0.0	0.0	-
8:02	0.0	0.0	-
8:03	0.0	0.0	-
8:04	0.0	0.0	-
8:05	0.0	0.0	-
8:06	0.0	0.0	-
8:07	0.0	0.0	-
8:08	0.0	0.0	-
8:09	0.0	0.0	-
8:10	0.0	0.0	-
8:11	0.0	0.0	-
8:12	0.0	0.0	-
8:13	0.0	0.0	-
8:14	0.0	0.0	-
8:15	0.0	0.0	-
8:16	0.0	0.0	-
8:17	0.0	0.0	-
8:18	0.0	0.0	-
8:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:20	0.0	0.0	-
8:21	0.0	0.0	-
8:22	0.0	0.0	-
8:23	0.0	0.0	-
8:24	0.0	0.0	-
8:25	0.0	0.0	-
8:26	0.0	0.0	-
8:27	0.0	0.0	-
8:28	0.0	0.0	-
8:29	0.0	0.0	-
8:30	0.0	0.0	-
8:31	0.0	0.0	-
8:32	0.0	0.0	-
8:33	0.0	0.0	-
8:34	0.0	0.0	-
8:35	0.0	0.0	-
8:36	0.0	0.0	-
8:37	0.0	0.0	-
8:38	0.0	0.0	-
8:39	0.0	0.0	-
8:40	0.0	0.0	-
8:41	0.0	0.0	-
8:42	0.0	0.0	-
8:43	0.0	0.0	-
8:44	0.0	0.0	-
8:45	0.0	0.0	-
8:46	0.0	0.0	-
8:47	0.0	0.0	-
8:48	0.0	0.0	-
8:49	0.0	0.0	-
8:50	0.0	0.0	-
8:51	0.0	0.0	-
8:52	0.0	0.0	-
8:53	0.0	0.0	-
8:54	0.0	0.0	-
8:55	0.0	0.0	-
8:56	0.0	0.0	-
8:57	0.0	0.0	-
8:58	0.0	0.0	-
8:59	0.0	0.0	-
9:00	0.0	0.0	-
9:01	0.0	0.0	-
9:02	0.0	0.0	-
9:03	0.0	0.0	-
9:04	0.0	0.0	-
9:05	0.0	0.0	-
9:06	0.0	0.0	-
9:07	0.0	0.0	-
9:08	0.0	0.0	-
9:09	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
9:10	0.0	0.0	-
9:11	0.0	0.0	-
9:12	0.0	0.0	-
9:13	0.0	0.0	-
9:14	0.0	0.0	-
9:15	0.0	0.0	-
9:16	0.0	0.0	-
9:17	0.0	0.0	-
9:18	0.0	0.0	-
9:19	0.0	0.0	-
9:20	0.0	0.0	-
9:21	0.0	0.0	-
9:22	0.0	0.0	-
9:23	0.0	0.0	-
9:24	0.0	0.0	-
9:25	0.0	0.0	-
9:26	0.0	0.0	-
9:27	0.0	0.0	-
9:28	0.0	0.0	-
9:29	0.0	0.0	-
9:30	0.0	0.0	-
9:31	0.0	0.0	-
9:32	0.0	0.0	-
9:33	0.0	0.0	-
9:34	-	-	-
9:35	-	-	-
9:36	0.0	-	-
9:37	0.0	-	-
9:38	0.0	-	-
9:39	0.0	-	-
9:40	0.0	-	-
9:41	0.0	-	-
9:42	0.0	-	-
9:43	0.0	-	-
9:44	0.0	-	-
9:45	0.0	-	-
9:46	0.0	-	-
9:47	0.0	-	-
9:48	0.0	-	-
9:49	0.0	-	-
9:50	0.0	-	-
9:51	0.0	0.0	-
9:52	0.0	0.0	-
9:53	0.0	0.0	-
9:54	0.0	0.0	-
9:55	0.0	0.0	-
9:56	0.0	0.0	-
9:57	0.0	0.0	-
9:58	0.0	0.0	-
9:59	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:00	0.0	0.0	-
10:01	0.0	0.0	-
10:02	0.0	0.0	-
10:03	0.0	0.0	-
10:04	0.0	0.0	-
10:05	0.0	0.0	-
10:06	0.0	0.0	-
10:07	0.0	0.0	-
10:08	0.0	0.0	-
10:09	0.0	0.0	-
10:10	0.0	0.0	-
10:11	0.0	0.0	-
10:12	0.0	0.0	-
10:13	0.0	0.0	-
10:14	0.0	0.0	-
10:15	0.0	0.0	-
10:16	0.0	0.0	-
10:17	0.0	0.0	-
10:18	0.0	0.0	-
10:19	0.0	0.0	-
10:20	0.0	0.0	-
10:21	0.0	0.0	-
10:22	0.0	0.0	-
10:23	0.0	0.0	-
10:24	0.0	0.0	-
10:25	0.0	0.0	-
10:26	0.0	0.0	-
10:27	0.0	0.0	-
10:28	0.0	0.0	-
10:29	0.0	0.0	-
10:30	0.0	0.0	-
10:31	0.0	0.0	-
10:32	0.0	0.0	-
10:33	0.0	0.0	-
10:34	0.0	0.0	-
10:35	0.0	0.0	-
10:36	0.0	0.0	-
10:37	0.0	0.0	-
10:38	0.0	0.0	-
10:39	0.0	0.0	-
10:40	0.0	0.0	-
10:41	0.0	0.0	-
10:42	0.0	0.0	-
10:43	0.0	0.0	-
10:44	0.0	0.0	-
10:45	0.0	0.0	-
10:46	0.0	0.0	-
10:47	0.0	0.0	-
10:48	0.0	0.0	-
10:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:50	0.0	0.0	-
10:51	0.0	0.0	-
10:52	0.0	0.0	-
10:53	0.0	0.0	-
10:54	0.0	0.0	-
10:55	0.0	0.0	-
10:56	0.0	0.0	-
10:57	0.0	0.0	-
10:58	0.0	0.0	-
10:59	0.0	0.0	-
11:00	0.0	0.0	-
11:01	0.0	0.0	-
11:02	0.0	0.0	-
11:03	0.0	0.0	-
11:04	0.0	0.0	-
11:05	0.0	0.0	-
11:06	0.0	0.0	-
11:07	0.0	0.0	-
11:08	0.0	0.0	-
11:09	0.0	0.0	-
11:10	0.0	0.0	-
11:11	0.0	0.0	-
11:12	0.0	0.0	-
11:13	0.0	0.0	-
11:14	0.0	0.0	-
11:15	0.0	0.0	-
11:16	0.0	0.0	-
11:17	0.0	0.0	-
11:18	0.0	0.0	-
11:19	0.0	0.0	-
11:20	0.0	0.0	-
11:21	0.0	0.0	-
11:22	0.0	0.0	-
11:23	0.0	0.0	-
11:24	0.0	0.0	-
11:25	0.0	0.0	-
11:26	0.0	0.0	-
11:27	0.0	0.0	-
11:28	0.0	0.0	-
11:29	0.0	0.0	-
11:30	0.0	0.0	-
11:31	0.0	0.0	-
11:32	0.0	0.0	-
11:33	0.0	0.0	-
11:34	0.0	0.0	-
11:35	0.0	0.0	-
11:36	0.0	0.0	-
11:37	0.0	0.0	-
11:38	0.0	0.0	-
11:39	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
11:40	0.0	0.0	-
11:41	0.0	0.0	-
11:42	0.0	0.0	-
11:43	0.0	0.0	-
11:44	0.0	0.0	-
11:45	0.0	0.0	-
11:46	0.0	0.0	-
11:47	0.0	0.0	-
11:48	0.0	0.0	-
11:49	0.0	0.0	-
11:50	0.0	0.0	-
11:51	0.0	0.0	-
11:52	0.0	0.0	-
11:53	0.0	0.0	-
11:54	0.0	0.0	-
11:55	0.0	0.0	-
11:56	0.0	0.0	-
11:57	0.0	0.0	-
11:58	0.0	0.0	-
11:59	0.0	0.0	-
12:00	0.0	0.0	-
12:01	0.0	0.0	-
12:02	0.0	0.0	-
12:03	0.0	0.0	-
12:04	0.0	0.0	-
12:05	0.0	0.0	-
12:06	0.0	0.0	-
12:07	0.0	0.0	-
12:08	0.0	0.0	-
12:09	0.0	0.0	-
12:10	0.0	0.0	-
12:11	0.0	0.0	-
12:12	0.0	0.0	-
12:13	0.0	0.0	-
12:14	0.0	0.0	-
12:15	0.0	0.0	-
12:16	0.0	0.0	-
12:17	0.0	0.0	-
12:18	0.0	0.0	-
12:19	0.0	0.0	-
12:20	0.0	0.0	-
12:21	0.0	0.0	-
12:22	0.0	0.0	-
12:23	0.0	0.0	-
12:24	0.0	0.0	-
12:25	0.0	0.0	-
12:26	0.0	0.0	-
12:27	0.0	0.0	-
12:28	0.0	0.0	-
12:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
12:30	0.0	0.0	-
12:31	0.0	0.0	-
12:32	0.0	0.0	-
12:33	0.0	0.0	-
12:34	0.0	0.0	-
12:35	0.0	0.0	-
12:36	0.0	0.0	-
12:37	0.0	0.0	-
12:38	0.0	0.0	-
12:39	0.0	0.0	-
12:40	0.0	0.0	-
12:41	0.0	0.0	-
12:42	0.0	0.0	-
12:43	0.0	0.0	-
12:44	0.0	0.0	-
12:45	0.0	0.0	-
12:46	0.0	0.0	-
12:47	0.0	0.0	-
12:48	0.0	0.0	-
12:49	0.0	0.0	-
12:50	0.0	0.0	-
12:51	0.0	0.0	-
12:52	0.0	0.0	-
12:53	0.0	0.0	-
12:54	0.0	0.0	-
12:55	0.0	0.0	-
12:56	0.0	0.0	-
12:57	0.0	0.0	-
12:58	0.0	0.0	-
12:59	0.0	0.0	-
13:00	0.0	0.0	-
13:01	0.0	0.0	-
13:02	0.0	0.0	-
13:03	0.0	0.0	-
13:04	0.0	0.0	-
13:05	0.0	0.0	-
13:06	0.0	0.0	-
13:07	0.0	0.0	-
13:08	0.0	0.0	-
13:09	0.0	0.0	-
13:10	0.0	0.0	-
13:11	0.0	0.0	-
13:12	0.0	0.0	-
13:13	0.0	0.0	-
13:14	0.0	0.0	-
13:15	0.0	0.0	-
13:16	0.0	0.0	-
13:17	0.0	0.0	-
13:18	0.0	0.0	-
13:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
13:20	0.0	0.0	-
13:21	0.0	0.0	-
13:22	0.0	0.0	-
13:23	0.0	0.0	-
13:24	0.0	0.0	-
13:25	0.0	0.0	-
13:26	0.0	0.0	-
13:27	-	-	-
13:28	-	-	-
13:29	0.0	-	-
13:30	0.0	-	-
13:31	0.0	-	-
13:32	0.0	-	-
13:33	0.0	-	-
13:34	0.0	-	-
13:35	0.0	-	-
13:36	0.0	-	-
13:37	0.0	-	-
13:38	0.0	-	-
13:39	0.0	-	-
13:40	0.0	-	-
13:41	0.0	-	-
13:42	0.0	-	-
13:43	0.0	-	-
13:44	0.0	0.0	-
13:45	0.0	0.0	-
13:46	0.0	0.0	-
13:47	0.0	0.0	-
13:48	0.0	0.0	-
13:49	0.0	0.0	-
13:50	0.0	0.0	-
13:51	0.0	0.0	-
13:52	0.0	0.0	-
13:53	0.0	0.0	-
13:54	0.0	0.0	-
13:55	0.0	0.0	-
13:56	0.0	0.0	-
13:57	0.0	0.0	-
13:58	0.0	0.0	-
13:59	0.0	0.0	-
14:00	0.0	0.0	-
14:01	0.0	0.0	-
14:02	0.0	0.0	-
14:03	0.0	0.0	-
14:04	0.0	0.0	-
14:05	0.0	0.0	-
14:06	0.0	0.0	-
14:07	0.0	0.0	-
14:08	0.0	0.0	-
14:09	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
14:10	0.0	0.0	-
14:11	0.0	0.0	-
14:12	0.0	0.0	-
14:13	0.0	0.0	-
14:14	0.0	0.0	-
14:15	0.0	0.0	-
14:16	0.0	0.0	-
14:17	0.0	0.0	-
14:18	0.0	0.0	-
14:19	0.0	0.0	-
14:20	0.0	0.0	-
14:21	0.0	0.0	-
14:22	0.0	0.0	-
14:23	0.0	0.0	-
14:24	0.0	0.0	-
14:25	0.0	0.0	-
14:26	0.0	0.0	-
14:27	0.0	0.0	-
14:28	0.0	0.0	-
14:29	0.0	0.0	-
14:30	0.0	0.0	-
14:31	0.0	0.0	-
14:32	0.0	0.0	-
14:33	0.0	0.0	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
15:00	0.0	0.0	-
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	0.0	0.0	-
15:43	0.0	0.0	-
15:44	0.0	0.0	-
15:45	0.0	0.0	-
15:46	0.0	0.0	-
15:47	0.0	0.0	-
15:48	0.0	0.0	-
15:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:50	0.0	0.0	-
15:51	0.0	0.0	-
15:52	0.0	0.0	-
15:53	0.0	0.0	-
15:54	0.0	0.0	-
15:55	0.0	0.0	-
15:56	0.0	0.0	-
15:57	0.0	0.0	-
15:58	0.0	0.0	-
15:59	0.0	0.0	-
16:00	0.0	0.0	-
16:01	0.0	0.0	-
16:02	0.0	0.0	-
16:03	0.0	0.0	-
16:04	0.0	0.0	-
16:05	0.0	0.0	-
16:06	0.0	0.0	-
16:07	0.0	0.0	-
16:08	0.0	0.0	-
16:09	0.0	0.0	-
16:10	0.0	0.0	-
16:11	0.0	0.0	-
16:12	0.0	0.0	-
16:13	0.0	0.0	-
16:14	0.0	0.0	-
16:15	0.0	0.0	-
16:16	0.0	0.0	-
16:17	0.0	0.0	-
16:18	0.0	0.0	-
16:19	0.0	0.0	-
16:20	0.0	0.0	-
16:21	0.0	0.0	-
16:22	0.0	0.0	-
16:23	0.0	0.0	-
16:24	0.0	0.0	-
16:25	0.0	0.0	-
16:26	0.0	0.0	-
16:27	0.0	0.0	-
16:28	0.0	0.0	-
16:29	0.0	0.0	-
16:30	0.0	0.0	-
16:31	0.0	0.0	-
16:32	0.0	0.0	-
16:33	0.0	0.0	-
16:34	0.0	0.0	-
16:35	0.0	0.0	-
16:36	0.0	0.0	-
16:37	0.0	0.0	-
16:38	0.0	0.0	-
16:39	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
16:40	0.0	0.0	-
16:41	-	-	-

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

DAILY AIR MONITORING REPORT

23-30 Borden Ave Site Investigation

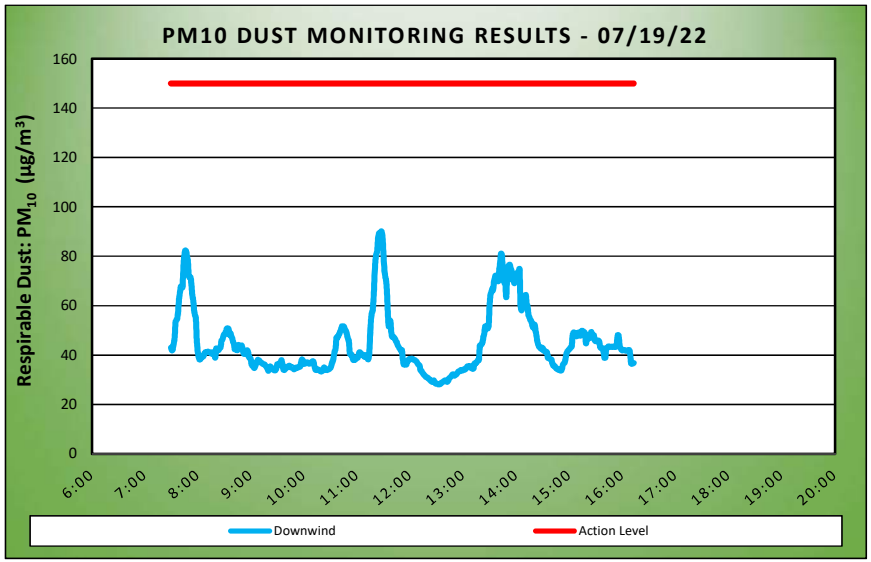
Long Island City, New York

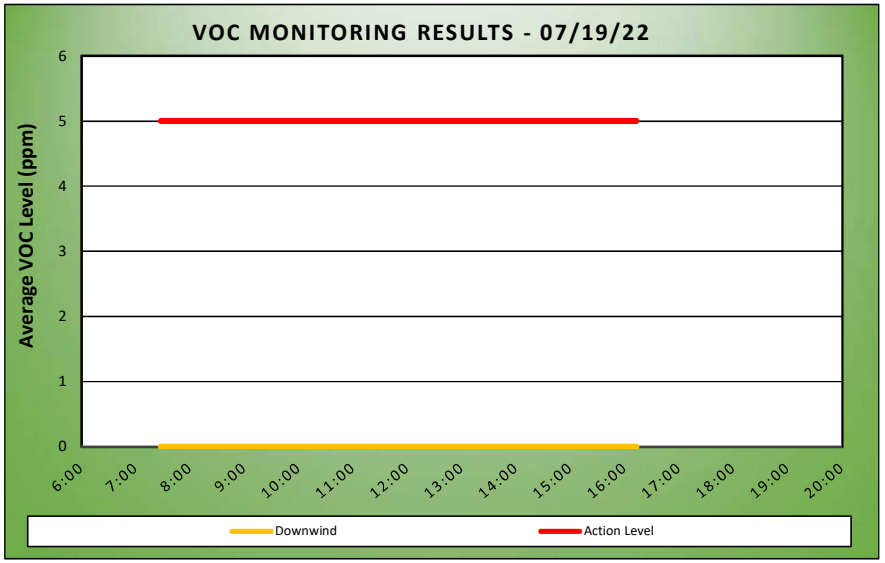
07/19/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	149 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	W	Relative Humidity (%)	38.0 - 80.0	Daily Rain (in)	0.00
Temp (°F)	74.0 - 91.0	Wind Speed (MPH)	3.3 - 6.0	Barometer (inHg)	29.80 - 29.80		

Readings in the summary table and graphs below are the reported downwind concentrations.

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	44.8	90.0	11:28	0.0	0.0	7:28



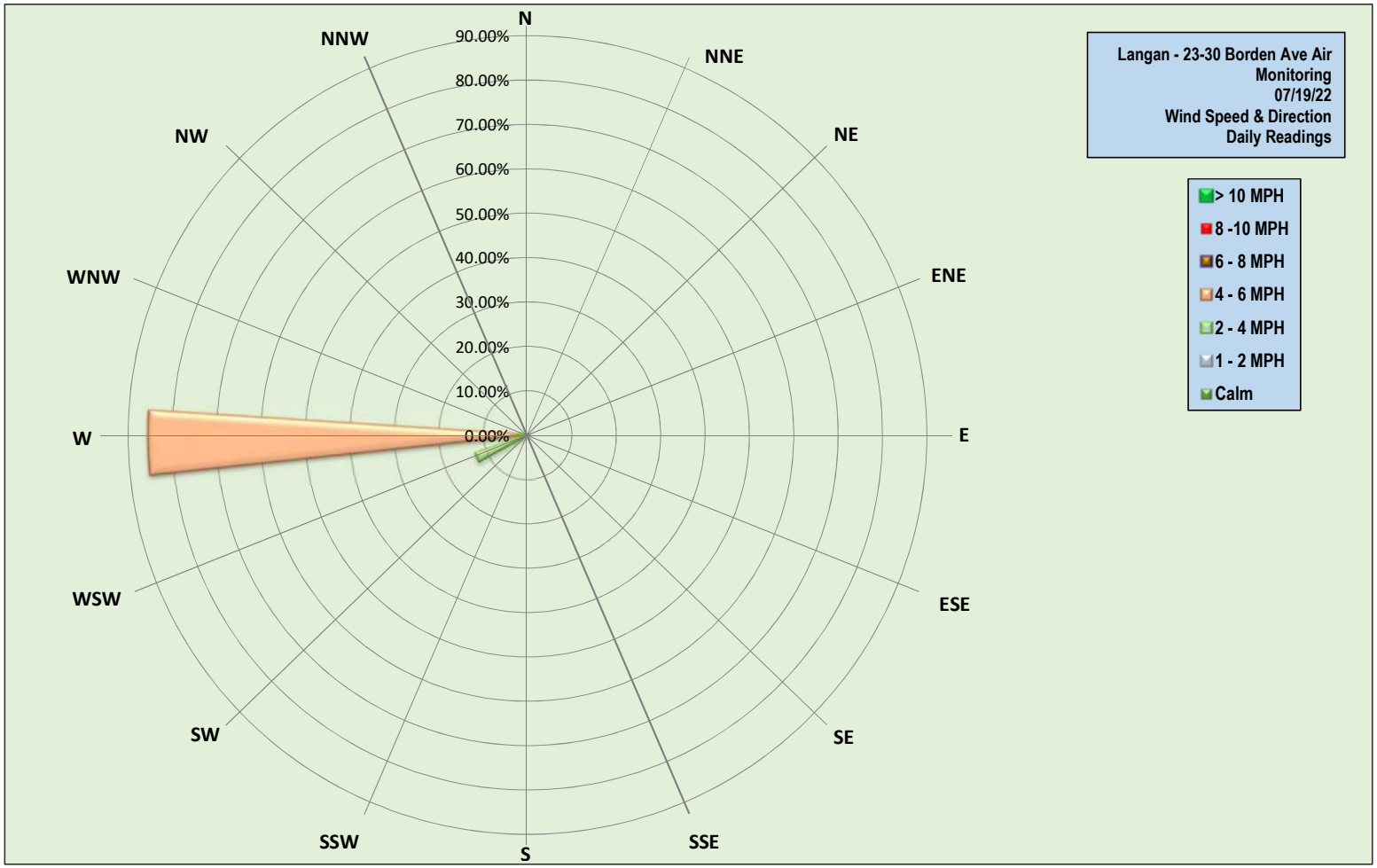


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


Langan - 23-30 Borden Ave Air Monitoring
07/19/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Tuesday, July 19, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			0
Start Time:			7:15
End Time:			16:13
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10	-	-	-
7:11	-	-	-
7:12	-	-	-
7:13	-	-	-
7:14	-	-	-
7:15	49.3	-	-
7:16	57.8	-	-
7:17	42.8	-	-
7:18	34.3	-	-
7:19	34.0	-	-
7:20	37.5	-	-
7:21	35.3	-	-
7:22	32.0	-	-
7:23	32.8	-	-
7:24	30.8	-	-
7:25	31.5	-	-
7:26	62.5	-	-
7:27	74.0	-	-
7:28	57.0	-	-
7:29	33.5	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	49.5	43.0	-
7:31	41.0	41.9	-
7:32	52.3	42.5	-
7:33	66.5	44.7	-
7:34	67.3	46.9	-
7:35	131.8	53.2	-
7:36	49.8	54.1	-
7:37	40.8	54.7	-
7:38	80.8	57.9	-
7:39	101.8	62.7	-
7:40	70.8	65.3	-
7:41	99.3	67.7	-
7:42	67.8	67.3	-
7:43	60.0	67.5	-
7:44	164.5	76.2	-
7:45	108.5	80.2	-
7:46	72.3	82.3	-
7:47	49.8	82.1	-
7:48	37.3	80.1	-
7:49	36.0	78.1	-
7:50	43.8	72.2	-
7:51	38.0	71.4	-
7:52	42.0	71.5	-
7:53	39.8	68.8	-
7:54	36.8	64.4	-
7:55	40.0	62.4	-
7:56	37.0	58.2	-
7:57	37.0	56.2	-
7:58	42.8	55.0	-
7:59	37.2	46.5	-
8:00	40.0	42.0	-
8:01	35.5	39.5	-
8:02	31.0	38.3	-
8:03	37.5	38.3	-
8:04	46.0	39.0	-
8:05	52.0	39.5	-
8:06	35.0	39.3	-
8:07	50.5	39.9	-
8:08	53.5	40.8	-
8:09	42.3	41.2	-
8:10	39.5	41.1	-
8:11	40.0	41.3	-
8:12	37.3	41.3	-
8:13	40.0	41.1	-
8:14	35.8	41.1	-
8:15	35.0	40.7	-
8:16	34.3	40.6	-
8:17	37.8	41.1	-
8:18	35.0	40.9	-
8:19	32.0	40.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	37.3	39.0	-
8:21	90.0	42.7	-
8:22	45.5	42.3	-
8:23	47.8	42.0	-
8:24	45.0	42.1	-
8:25	49.8	42.8	-
8:26	44.0	43.1	-
8:27	78.8	45.9	-
8:28	46.3	46.3	-
8:29	52.8	47.4	-
8:30	49.3	48.4	-
8:31	36.8	48.5	-
8:32	52.0	49.5	-
8:33	52.8	50.7	-
8:34	34.0	50.8	-
8:35	34.5	50.6	-
8:36	55.0	48.3	-
8:37	54.8	48.9	-
8:38	32.0	47.8	-
8:39	30.0	46.8	-
8:40	29.3	45.5	-
8:41	29.8	44.5	-
8:42	45.8	42.3	-
8:43	65.3	43.6	-
8:44	38.3	42.6	-
8:45	39.8	42.0	-
8:46	67.5	44.0	-
8:47	46.8	43.7	-
8:48	41.8	43.0	-
8:49	46.0	43.8	-
8:50	35.3	43.8	-
8:51	29.0	42.1	-
8:52	33.0	40.6	-
8:53	30.0	40.5	-
8:54	36.3	40.9	-
8:55	35.5	41.3	-
8:56	38.5	41.9	-
8:57	36.5	41.3	-
8:58	33.5	39.2	-
8:59	34.0	38.9	-
9:00	33.8	38.5	-
9:01	33.8	36.2	-
9:02	38.8	35.7	-
9:03	36.5	35.4	-
9:04	36.8	34.7	-
9:05	43.8	35.3	-
9:06	45.3	36.4	-
9:07	46.2	37.3	-
9:08	41.2	38.0	-
9:09	34.5	37.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
9:10	32.0	37.7	-
9:11	32.8	37.3	-
9:12	30.5	36.9	-
9:13	30.0	36.6	-
9:14	30.3	36.4	-
9:15	31.8	36.3	-
9:16	31.3	36.1	-
9:17	30.5	35.5	-
9:18	30.5	35.1	-
9:19	29.8	34.7	-
9:20	28.0	33.6	-
9:21	58.8	34.5	-
9:22	58.8	35.4	-
9:23	35.8	35.0	-
9:24	28.5	34.6	-
9:25	27.8	34.3	-
9:26	28.3	34.0	-
9:27	27.5	33.8	-
9:28	30.8	33.9	-
9:29	41.3	34.6	-
9:30	56.3	36.2	-
9:31	30.0	36.2	-
9:32	32.5	36.3	-
9:33	37.3	36.7	-
9:34	39.0	37.4	-
9:35	35.8	37.9	-
9:36	30.8	36.0	-
9:37	31.3	34.2	-
9:38	32.0	33.9	-
9:39	34.0	34.3	-
9:40	33.3	34.7	-
9:41	33.0	35.0	-
9:42	32.8	35.3	-
9:43	34.8	35.6	-
9:44	41.8	35.6	-
9:45	47.8	35.1	-
9:46	31.3	35.1	-
9:47	31.3	35.1	-
9:48	32.5	34.7	-
9:49	32.0	34.3	-
9:50	38.8	34.5	-
9:51	36.5	34.9	-
9:52	30.3	34.8	-
9:53	34.5	35.0	-
9:54	35.3	35.0	-
9:55	35.3	35.2	-
9:56	36.8	35.4	-
9:57	56.3	37.0	-
9:58	53.0	38.2	-
9:59	33.8	37.7	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	30.8	36.5	-
10:01	30.3	36.5	-
10:02	32.8	36.6	-
10:03	35.3	36.8	-
10:04	36.3	37.0	-
10:05	35.0	36.8	-
10:06	32.8	36.5	-
10:07	33.0	36.7	-
10:08	34.5	36.7	-
10:09	42.0	37.2	-
10:10	40.0	37.5	-
10:11	33.3	37.3	-
10:12	31.6	35.6	-
10:13	31.6	34.2	-
10:14	30.2	33.9	-
10:15	31.0	34.0	-
10:16	33.5	34.2	-
10:17	29.8	34.0	-
10:18	30.8	33.7	-
10:19	32.5	33.4	-
10:20	34.3	33.4	-
10:21	35.5	33.6	-
10:22	42.3	34.2	-
10:23	46.5	35.0	-
10:24	30.8	34.2	-
10:25	37.0	34.0	-
10:26	31.5	33.9	-
10:27	34.8	34.1	-
10:28	33.3	34.2	-
10:29	32.8	34.4	-
10:30	36.3	34.8	-
10:31	43.5	35.4	-
10:32	52.5	36.9	-
10:33	42.0	37.7	-
10:34	62.0	39.7	-
10:35	61.3	41.5	-
10:36	51.5	42.5	-
10:37	110.5	47.1	-
10:38	47.0	47.1	-
10:39	38.8	47.6	-
10:40	49.0	48.4	-
10:41	46.8	49.5	-
10:42	46.5	50.2	-
10:43	53.3	51.6	-
10:44	33.8	51.6	-
10:45	36.0	51.6	-
10:46	36.0	51.1	-
10:47	35.3	50.0	-
10:48	35.8	49.6	-
10:49	40.5	48.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	36.8	46.5	-
10:51	41.0	45.8	-
10:52	34.5	40.7	-
10:53	39.0	40.2	-
10:54	38.5	40.2	-
10:55	32.0	39.0	-
10:56	31.8	38.0	-
10:57	54.3	38.6	-
10:58	46.5	38.1	-
10:59	40.5	38.6	-
11:00	41.3	38.9	-
11:01	37.3	39.0	-
11:02	53.0	40.2	-
11:03	50.3	41.1	-
11:04	35.8	40.8	-
11:05	33.5	40.6	-
11:06	33.0	40.1	-
11:07	33.3	40.0	-
11:08	32.0	39.5	-
11:09	34.8	39.3	-
11:10	37.0	39.6	-
11:11	37.3	40.0	-
11:12	37.0	38.8	-
11:13	39.5	38.4	-
11:14	71.8	40.4	-
11:15	149.3	47.6	-
11:16	135.0	54.2	-
11:17	96.8	57.1	-
11:18	66.8	58.2	-
11:19	113.3	63.3	-
11:20	164.0	72.0	-
11:21	123.3	78.1	-
11:22	75.0	80.8	-
11:23	53.4	82.3	-
11:24	108.4	87.2	-
11:25	67.8	89.2	-
11:26	38.8	89.3	-
11:27	43.4	89.8	-
11:28	43.5	90.0	-
11:29	46.3	88.3	-
11:30	41.3	81.1	-
11:31	51.5	75.6	-
11:32	43.3	72.0	-
11:33	43.5	70.4	-
11:34	43.3	65.8	-
11:35	43.3	57.7	-
11:36	32.8	51.7	-
11:37	91.5	52.8	-
11:38	68.3	53.8	-
11:39	38.0	49.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	42.3	47.4	-
11:41	40.3	47.5	-
11:42	36.8	47.0	-
11:43	37.3	46.6	-
11:44	33.5	45.8	-
11:45	34.3	45.3	-
11:46	33.5	44.1	-
11:47	34.0	43.5	-
11:48	34.0	42.9	-
11:49	35.0	42.3	-
11:50	35.0	41.8	-
11:51	35.8	42.0	-
11:52	35.0	38.2	-
11:53	39.0	36.2	-
11:54	41.0	36.4	-
11:55	39.0	36.2	-
11:56	39.8	36.2	-
11:57	57.8	37.6	-
11:58	39.3	37.7	-
11:59	42.5	38.3	-
12:00	35.3	38.4	-
12:01	34.5	38.5	-
12:02	34.8	38.5	-
12:03	33.0	38.4	-
12:04	30.5	38.1	-
12:05	32.8	38.0	-
12:06	33.5	37.8	-
12:07	30.3	37.5	-
12:08	32.8	37.1	-
12:09	30.8	36.4	-
12:10	33.0	36.0	-
12:11	34.0	35.6	-
12:12	30.8	33.8	-
12:13	36.0	33.6	-
12:14	32.8	33.0	-
12:15	27.5	32.5	-
12:16	27.5	32.0	-
12:17	28.3	31.6	-
12:18	27.0	31.2	-
12:19	28.3	31.0	-
12:20	31.0	30.9	-
12:21	27.8	30.5	-
12:22	26.3	30.2	-
12:23	26.0	29.8	-
12:24	26.0	29.5	-
12:25	28.0	29.1	-
12:26	34.3	29.2	-
12:27	39.3	29.7	-
12:28	25.3	29.0	-
12:29	25.0	28.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	26.3	28.4	-
12:31	26.5	28.3	-
12:32	25.6	28.2	-
12:33	26.6	28.1	-
12:34	29.5	28.2	-
12:35	35.4	28.5	-
12:36	33.2	28.9	-
12:37	28.8	29.0	-
12:38	29.6	29.3	-
12:39	31.0	29.6	-
12:40	29.3	29.7	-
12:41	32.8	29.6	-
12:42	33.0	29.2	-
12:43	29.3	29.4	-
12:44	39.8	30.4	-
12:45	30.5	30.7	-
12:46	32.3	31.1	-
12:47	32.3	31.5	-
12:48	34.8	32.1	-
12:49	30.3	32.1	-
12:50	29.3	31.7	-
12:51	34.0	31.8	-
12:52	34.3	32.1	-
12:53	33.0	32.4	-
12:54	40.0	33.0	-
12:55	34.5	33.3	-
12:56	36.3	33.6	-
12:57	35.3	33.7	-
12:58	33.5	34.0	-
12:59	35.5	33.7	-
13:00	35.8	34.1	-
13:01	33.0	34.1	-
13:02	32.3	34.1	-
13:03	38.8	34.4	-
13:04	38.5	34.9	-
13:05	36.3	35.4	-
13:06	32.5	35.3	-
13:07	32.0	35.1	-
13:08	39.3	35.6	-
13:09	30.8	34.9	-
13:10	31.5	34.7	-
13:11	31.5	34.4	-
13:12	39.3	34.7	-
13:13	61.3	36.5	-
13:14	35.3	36.5	-
13:15	40.8	36.9	-
13:16	40.8	37.4	-
13:17	42.0	38.0	-
13:18	38.5	38.0	-
13:19	124.5	43.7	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	40.8	44.0	-
13:21	38.5	44.4	-
13:22	41.0	45.0	-
13:23	72.3	47.2	-
13:24	50.5	48.6	-
13:25	75.8	51.5	-
13:26	33.0	51.6	-
13:27	39.5	51.6	-
13:28	49.0	50.8	-
13:29	50.3	51.8	-
13:30	156.5	59.5	-
13:31	109.5	64.1	-
13:32	61.0	65.4	-
13:33	58.8	66.7	-
13:34	117.8	66.3	-
13:35	88.5	69.5	-
13:36	65.8	71.3	-
13:37	53.8	72.1	-
13:38	44.8	70.3	-
13:39	63.8	71.2	-
13:40	58.3	70.0	-
13:41	101.0	74.5	-
13:42	85.3	77.6	-
13:43	101.4	81.1	-
13:44	43.6	80.6	-
13:45	52.8	73.7	-
13:46	56.3	70.2	-
13:47	46.0	69.2	-
13:48	44.5	68.2	-
13:49	47.8	63.6	-
13:50	254.0	74.6	-
13:51	83.8	75.8	-
13:52	62.3	76.4	-
13:53	47.0	76.5	-
13:54	41.3	75.0	-
13:55	41.3	73.9	-
13:56	49.8	70.5	-
13:57	105.8	71.8	-
13:58	60.3	69.1	-
13:59	88.5	72.1	-
14:00	58.0	72.4	-
14:01	66.5	73.1	-
14:02	45.3	73.1	-
14:03	60.0	74.1	-
14:04	58.5	74.8	-
14:05	38.8	60.5	-
14:06	50.3	58.2	-
14:07	70.3	58.8	-
14:08	62.8	59.8	-
14:09	71.5	61.8	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	58.3	63.0	-
14:11	70.0	64.3	-
14:12	53.8	60.8	-
14:13	43.8	59.7	-
14:14	36.5	56.3	-
14:15	44.8	55.4	-
14:16	50.3	54.3	-
14:17	38.3	53.8	-
14:18	41.3	52.6	-
14:19	38.3	51.2	-
14:20	38.0	51.2	-
14:21	66.8	52.3	-
14:22	35.5	50.0	-
14:23	33.0	48.0	-
14:24	36.0	45.6	-
14:25	37.8	44.3	-
14:26	57.5	43.4	-
14:27	49.3	43.1	-
14:28	36.0	42.6	-
14:29	42.8	43.0	-
14:30	41.8	42.8	-
14:31	36.3	41.9	-
14:32	38.0	41.9	-
14:33	34.3	41.4	-
14:34	36.5	41.3	-
14:35	35.0	41.1	-
14:36	34.0	38.9	-
14:37	32.8	38.7	-
14:38	30.3	38.5	-
14:39	33.0	38.3	-
14:40	34.8	38.1	-
14:41	35.0	36.6	-
14:42	36.5	35.8	-
14:43	35.3	35.7	-
14:44	35.8	35.3	-
14:45	34.5	34.8	-
14:46	31.5	34.5	-
14:47	34.0	34.2	-
14:48	34.0	34.2	-
14:49	31.8	33.9	-
14:50	33.0	33.7	-
14:51	34.3	33.8	-
14:52	45.0	34.6	-
14:53	53.6	36.1	-
14:54	40.0	36.6	-
14:55	41.0	37.0	-
14:56	60.8	38.7	-
14:57	63.4	40.5	-
14:58	48.5	41.4	-
14:59	42.5	41.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	40.8	42.3	-
15:01	38.5	42.7	-
15:02	39.3	43.1	-
15:03	41.8	43.6	-
15:04	101.0	48.2	-
15:05	45.8	49.1	-
15:06	34.3	49.1	-
15:07	36.3	48.5	-
15:08	40.5	47.6	-
15:09	44.3	47.9	-
15:10	55.3	48.8	-
15:11	64.0	49.1	-
15:12	47.8	48.0	-
15:13	47.5	48.0	-
15:14	69.0	49.7	-
15:15	42.3	49.8	-
15:16	33.8	49.5	-
15:17	35.8	49.3	-
15:18	33.5	48.7	-
15:19	41.8	44.8	-
15:20	71.8	46.5	-
15:21	40.8	46.9	-
15:22	38.5	47.1	-
15:23	36.8	46.8	-
15:24	60.8	47.9	-
15:25	76.0	49.3	-
15:26	48.3	48.3	-
15:27	44.3	48.0	-
15:28	47.5	48.0	-
15:29	38.5	46.0	-
15:30	36.3	45.6	-
15:31	35.3	45.7	-
15:32	35.0	45.7	-
15:33	36.5	45.9	-
15:34	35.8	45.5	-
15:35	38.3	43.2	-
15:36	35.3	42.9	-
15:37	36.0	42.7	-
15:38	36.8	42.7	-
15:39	37.0	41.1	-
15:40	42.5	38.9	-
15:41	51.3	39.1	-
15:42	98.8	42.7	-
15:43	51.5	43.0	-
15:44	44.8	43.4	-
15:45	38.0	43.5	-
15:46	34.0	43.4	-
15:47	33.5	43.3	-
15:48	36.3	43.3	-
15:49	37.3	43.4	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:50	36.3	43.3	-
15:51	35.3	43.3	-
15:52	38.0	43.4	-
15:53	36.5	43.4	-
15:54	60.0	44.9	-
15:55	90.0	48.1	-
15:56	47.0	47.8	-
15:57	42.5	44.1	-
15:58	35.3	43.0	-
15:59	33.5	42.2	-
16:00	33.5	41.9	-
16:01	34.3	41.9	-
16:02	33.8	42.0	-
16:03	36.4	42.0	-
16:04	34.6	41.8	-
16:05	35.0	41.7	-
16:06	35.8	41.7	-
16:07	37.3	41.7	-
16:08	40.5	42.0	-
16:09	35.0	40.3	-
16:10	35.3	36.6	-
16:11	44.5	36.5	-
16:12	44.8	36.6	-
16:13	37.0	36.7	-
16:14	-	-	-

Tuesday, July 19, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			7:13
End Time:			16:13
PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10	-	-	-
7:11	-	-	-
7:12	-	-	-
7:13	0.0	-	-
7:14	0.0	-	-
7:15	0.0	-	-
7:16	0.0	-	-
7:17	0.0	-	-
7:18	0.0	-	-
7:19	0.0	-	-
7:20	0.0	-	-
7:21	0.0	-	-
7:22	0.0	-	-
7:23	0.0	-	-
7:24	0.0	-	-
7:25	0.0	-	-
7:26	0.0	-	-
7:27	0.0	-	-
7:28	0.0	0.0	-
7:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
7:30	0.0	0.0	-
7:31	0.0	0.0	-
7:32	0.0	0.0	-
7:33	0.0	0.0	-
7:34	0.0	0.0	-
7:35	0.0	0.0	-
7:36	0.0	0.0	-
7:37	0.0	0.0	-
7:38	0.0	0.0	-
7:39	0.0	0.0	-
7:40	0.0	0.0	-
7:41	0.0	0.0	-
7:42	0.0	0.0	-
7:43	0.0	0.0	-
7:44	0.0	0.0	-
7:45	0.0	0.0	-
7:46	0.0	0.0	-
7:47	0.0	0.0	-
7:48	0.0	0.0	-
7:49	0.0	0.0	-
7:50	0.0	0.0	-
7:51	0.0	0.0	-
7:52	0.0	0.0	-
7:53	0.0	0.0	-
7:54	0.0	0.0	-
7:55	0.0	0.0	-
7:56	0.0	0.0	-
7:57	0.0	0.0	-
7:58	0.0	0.0	-
7:59	0.0	0.0	-
8:00	0.0	0.0	-
8:01	0.0	0.0	-
8:02	0.0	0.0	-
8:03	0.0	0.0	-
8:04	0.0	0.0	-
8:05	0.0	0.0	-
8:06	0.0	0.0	-
8:07	0.0	0.0	-
8:08	0.0	0.0	-
8:09	0.0	0.0	-
8:10	0.0	0.0	-
8:11	0.0	0.0	-
8:12	0.0	0.0	-
8:13	0.0	0.0	-
8:14	0.0	0.0	-
8:15	0.0	0.0	-
8:16	0.0	0.0	-
8:17	0.0	0.0	-
8:18	0.0	0.0	-
8:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:20	0.0	0.0	-
8:21	0.0	0.0	-
8:22	0.0	0.0	-
8:23	0.0	0.0	-
8:24	0.0	0.0	-
8:25	0.0	0.0	-
8:26	0.0	0.0	-
8:27	0.0	0.0	-
8:28	0.0	0.0	-
8:29	0.0	0.0	-
8:30	0.0	0.0	-
8:31	0.0	0.0	-
8:32	0.0	0.0	-
8:33	0.0	0.0	-
8:34	0.0	0.0	-
8:35	0.0	0.0	-
8:36	0.0	0.0	-
8:37	0.0	0.0	-
8:38	0.0	0.0	-
8:39	0.0	0.0	-
8:40	0.0	0.0	-
8:41	0.0	0.0	-
8:42	0.0	0.0	-
8:43	0.0	0.0	-
8:44	0.0	0.0	-
8:45	0.0	0.0	-
8:46	0.0	0.0	-
8:47	0.0	0.0	-
8:48	0.0	0.0	-
8:49	0.0	0.0	-
8:50	0.0	0.0	-
8:51	0.0	0.0	-
8:52	0.0	0.0	-
8:53	0.0	0.0	-
8:54	0.0	0.0	-
8:55	0.0	0.0	-
8:56	0.0	0.0	-
8:57	0.0	0.0	-
8:58	0.0	0.0	-
8:59	0.0	0.0	-
9:00	0.0	0.0	-
9:01	0.0	0.0	-
9:02	0.0	0.0	-
9:03	0.0	0.0	-
9:04	0.0	0.0	-
9:05	0.0	0.0	-
9:06	0.0	0.0	-
9:07	0.0	0.0	-
9:08	0.0	0.0	-
9:09	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
9:10	0.0	0.0	-
9:11	0.0	0.0	-
9:12	0.0	0.0	-
9:13	0.0	0.0	-
9:14	0.0	0.0	-
9:15	0.0	0.0	-
9:16	0.0	0.0	-
9:17	0.0	0.0	-
9:18	0.0	0.0	-
9:19	0.0	0.0	-
9:20	0.0	0.0	-
9:21	0.0	0.0	-
9:22	0.0	0.0	-
9:23	0.0	0.0	-
9:24	0.0	0.0	-
9:25	0.0	0.0	-
9:26	0.0	0.0	-
9:27	0.0	0.0	-
9:28	0.0	0.0	-
9:29	0.0	0.0	-
9:30	0.0	0.0	-
9:31	0.0	0.0	-
9:32	0.0	0.0	-
9:33	0.0	0.0	-
9:34	0.0	0.0	-
9:35	0.0	0.0	-
9:36	0.0	0.0	-
9:37	0.0	0.0	-
9:38	0.0	0.0	-
9:39	0.0	0.0	-
9:40	0.0	0.0	-
9:41	0.0	0.0	-
9:42	0.0	0.0	-
9:43	0.0	0.0	-
9:44	0.0	0.0	-
9:45	0.0	0.0	-
9:46	0.0	0.0	-
9:47	0.0	0.0	-
9:48	0.0	0.0	-
9:49	0.0	0.0	-
9:50	0.0	0.0	-
9:51	0.0	0.0	-
9:52	0.0	0.0	-
9:53	0.0	0.0	-
9:54	0.0	0.0	-
9:55	0.0	0.0	-
9:56	0.0	0.0	-
9:57	0.0	0.0	-
9:58	0.0	0.0	-
9:59	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:00	0.0	0.0	-
10:01	0.0	0.0	-
10:02	0.0	0.0	-
10:03	0.0	0.0	-
10:04	0.0	0.0	-
10:05	0.0	0.0	-
10:06	0.0	0.0	-
10:07	0.0	0.0	-
10:08	0.0	0.0	-
10:09	0.0	0.0	-
10:10	0.0	0.0	-
10:11	0.0	0.0	-
10:12	0.0	0.0	-
10:13	0.0	0.0	-
10:14	0.0	0.0	-
10:15	0.0	0.0	-
10:16	0.0	0.0	-
10:17	0.0	0.0	-
10:18	0.0	0.0	-
10:19	0.0	0.0	-
10:20	0.0	0.0	-
10:21	0.0	0.0	-
10:22	0.0	0.0	-
10:23	0.0	0.0	-
10:24	0.0	0.0	-
10:25	0.0	0.0	-
10:26	0.0	0.0	-
10:27	0.0	0.0	-
10:28	0.0	0.0	-
10:29	0.0	0.0	-
10:30	0.0	0.0	-
10:31	0.0	0.0	-
10:32	0.0	0.0	-
10:33	0.0	0.0	-
10:34	0.0	0.0	-
10:35	0.0	0.0	-
10:36	0.0	0.0	-
10:37	0.0	0.0	-
10:38	0.0	0.0	-
10:39	0.0	0.0	-
10:40	0.0	0.0	-
10:41	0.0	0.0	-
10:42	0.0	0.0	-
10:43	0.0	0.0	-
10:44	0.0	0.0	-
10:45	0.0	0.0	-
10:46	0.0	0.0	-
10:47	0.0	0.0	-
10:48	0.0	0.0	-
10:49	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:50	0.0	0.0	-
10:51	0.0	0.0	-
10:52	0.0	0.0	-
10:53	0.0	0.0	-
10:54	0.0	0.0	-
10:55	0.0	0.0	-
10:56	0.0	0.0	-
10:57	0.0	0.0	-
10:58	0.0	0.0	-
10:59	0.0	0.0	-
11:00	0.0	0.0	-
11:01	0.0	0.0	-
11:02	0.0	0.0	-
11:03	0.0	0.0	-
11:04	0.0	0.0	-
11:05	0.0	0.0	-
11:06	0.0	0.0	-
11:07	0.0	0.0	-
11:08	0.0	0.0	-
11:09	0.0	0.0	-
11:10	0.0	0.0	-
11:11	0.0	0.0	-
11:12	0.0	0.0	-
11:13	0.0	0.0	-
11:14	0.0	0.0	-
11:15	0.0	0.0	-
11:16	0.0	0.0	-
11:17	0.0	0.0	-
11:18	0.0	0.0	-
11:19	0.0	0.0	-
11:20	0.0	0.0	-
11:21	0.0	0.0	-
11:22	0.0	0.0	-
11:23	0.0	0.0	-
11:24	0.0	0.0	-
11:25	0.0	0.0	-
11:26	0.0	0.0	-
11:27	0.0	0.0	-
11:28	0.0	0.0	-
11:29	0.0	0.0	-
11:30	0.0	0.0	-
11:31	0.0	0.0	-
11:32	0.0	0.0	-
11:33	0.0	0.0	-
11:34	0.0	0.0	-
11:35	0.0	0.0	-
11:36	0.0	0.0	-
11:37	0.0	0.0	-
11:38	0.0	0.0	-
11:39	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
11:40	0.0	0.0	-
11:41	0.0	0.0	-
11:42	0.0	0.0	-
11:43	0.0	0.0	-
11:44	0.0	0.0	-
11:45	0.0	0.0	-
11:46	0.0	0.0	-
11:47	0.0	0.0	-
11:48	0.0	0.0	-
11:49	0.0	0.0	-
11:50	0.0	0.0	-
11:51	0.0	0.0	-
11:52	0.0	0.0	-
11:53	0.0	0.0	-
11:54	0.0	0.0	-
11:55	0.0	0.0	-
11:56	0.0	0.0	-
11:57	0.0	0.0	-
11:58	0.0	0.0	-
11:59	0.0	0.0	-
12:00	0.0	0.0	-
12:01	0.0	0.0	-
12:02	0.0	0.0	-
12:03	0.0	0.0	-
12:04	0.0	0.0	-
12:05	0.0	0.0	-
12:06	0.0	0.0	-
12:07	0.0	0.0	-
12:08	0.0	0.0	-
12:09	0.0	0.0	-
12:10	0.0	0.0	-
12:11	0.0	0.0	-
12:12	0.0	0.0	-
12:13	0.0	0.0	-
12:14	0.0	0.0	-
12:15	0.0	0.0	-
12:16	0.0	0.0	-
12:17	0.0	0.0	-
12:18	0.0	0.0	-
12:19	0.0	0.0	-
12:20	0.0	0.0	-
12:21	0.0	0.0	-
12:22	0.0	0.0	-
12:23	0.0	0.0	-
12:24	0.0	0.0	-
12:25	0.0	0.0	-
12:26	0.0	0.0	-
12:27	0.0	0.0	-
12:28	0.0	0.0	-
12:29	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
12:30	0.0	0.0	-
12:31	0.0	0.0	-
12:32	0.0	0.0	-
12:33	0.0	0.0	-
12:34	0.0	0.0	-
12:35	0.0	0.0	-
12:36	0.0	0.0	-
12:37	0.0	0.0	-
12:38	0.0	0.0	-
12:39	0.0	0.0	-
12:40	0.0	0.0	-
12:41	0.0	0.0	-
12:42	0.0	0.0	-
12:43	0.0	0.0	-
12:44	0.0	0.0	-
12:45	0.0	0.0	-
12:46	0.0	0.0	-
12:47	0.0	0.0	-
12:48	0.0	0.0	-
12:49	0.0	0.0	-
12:50	0.0	0.0	-
12:51	0.0	0.0	-
12:52	0.0	0.0	-
12:53	0.0	0.0	-
12:54	0.0	0.0	-
12:55	0.0	0.0	-
12:56	0.0	0.0	-
12:57	0.0	0.0	-
12:58	0.0	0.0	-
12:59	0.0	0.0	-
13:00	0.0	0.0	-
13:01	0.0	0.0	-
13:02	0.0	0.0	-
13:03	0.0	0.0	-
13:04	0.0	0.0	-
13:05	0.0	0.0	-
13:06	0.0	0.0	-
13:07	0.0	0.0	-
13:08	0.0	0.0	-
13:09	0.0	0.0	-
13:10	0.0	0.0	-
13:11	0.0	0.0	-
13:12	0.0	0.0	-
13:13	0.0	0.0	-
13:14	0.0	0.0	-
13:15	0.0	0.0	-
13:16	0.0	0.0	-
13:17	0.0	0.0	-
13:18	0.0	0.0	-
13:19	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
13:20	0.0	0.0	-
13:21	0.0	0.0	-
13:22	0.0	0.0	-
13:23	0.0	0.0	-
13:24	0.0	0.0	-
13:25	0.0	0.0	-
13:26	0.0	0.0	-
13:27	0.0	0.0	-
13:28	0.0	0.0	-
13:29	0.0	0.0	-
13:30	0.0	0.0	-
13:31	0.0	0.0	-
13:32	0.0	0.0	-
13:33	0.0	0.0	-
13:34	0.0	0.0	-
13:35	0.0	0.0	-
13:36	0.0	0.0	-
13:37	0.0	0.0	-
13:38	0.0	0.0	-
13:39	0.0	0.0	-
13:40	0.0	0.0	-
13:41	0.0	0.0	-
13:42	0.0	0.0	-
13:43	0.0	0.0	-
13:44	0.0	0.0	-
13:45	0.0	0.0	-
13:46	0.0	0.0	-
13:47	0.0	0.0	-
13:48	0.0	0.0	-
13:49	0.0	0.0	-
13:50	0.0	0.0	-
13:51	0.0	0.0	-
13:52	0.0	0.0	-
13:53	0.0	0.0	-
13:54	0.0	0.0	-
13:55	0.0	0.0	-
13:56	0.0	0.0	-
13:57	0.0	0.0	-
13:58	0.0	0.0	-
13:59	0.0	0.0	-
14:00	0.0	0.0	-
14:01	0.0	0.0	-
14:02	0.0	0.0	-
14:03	0.0	0.0	-
14:04	0.0	0.0	-
14:05	0.0	0.0	-
14:06	0.0	0.0	-
14:07	0.0	0.0	-
14:08	0.0	0.0	-
14:09	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
14:10	0.0	0.0	-
14:11	0.0	0.0	-
14:12	0.0	0.0	-
14:13	0.0	0.0	-
14:14	0.0	0.0	-
14:15	0.0	0.0	-
14:16	0.0	0.0	-
14:17	0.0	0.0	-
14:18	0.0	0.0	-
14:19	0.0	0.0	-
14:20	0.0	0.0	-
14:21	0.0	0.0	-
14:22	0.0	0.0	-
14:23	0.0	0.0	-
14:24	0.0	0.0	-
14:25	0.0	0.0	-
14:26	0.0	0.0	-
14:27	0.0	0.0	-
14:28	0.0	0.0	-
14:29	0.0	0.0	-
14:30	0.0	0.0	-
14:31	0.0	0.0	-
14:32	0.0	0.0	-
14:33	0.0	0.0	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
15:00	0.0	0.0	-
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	0.0	0.0	-
15:43	0.0	0.0	-
15:44	0.0	0.0	-
15:45	0.0	0.0	-
15:46	0.0	0.0	-
15:47	0.0	0.0	-
15:48	0.0	0.0	-
15:49	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
15:50	0.0	0.0	-
15:51	0.0	0.0	-
15:52	0.0	0.0	-
15:53	0.0	0.0	-
15:54	0.0	0.0	-
15:55	0.0	0.0	-
15:56	0.0	0.0	-
15:57	0.0	0.0	-
15:58	0.0	0.0	-
15:59	0.0	0.0	-
16:00	0.0	0.0	-
16:01	0.0	0.0	-
16:02	0.0	0.0	-
16:03	0.0	0.0	-
16:04	0.0	0.0	-
16:05	0.0	0.0	-
16:06	0.0	0.0	-
16:07	0.0	0.0	-
16:08	0.0	0.0	-
16:09	0.0	0.0	-
16:10	0.0	0.0	-
16:11	0.0	0.0	-
16:12	0.0	0.0	-
16:13	0.0	0.0	-
16:14	-	-	-

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

DAILY AIR MONITORING REPORT

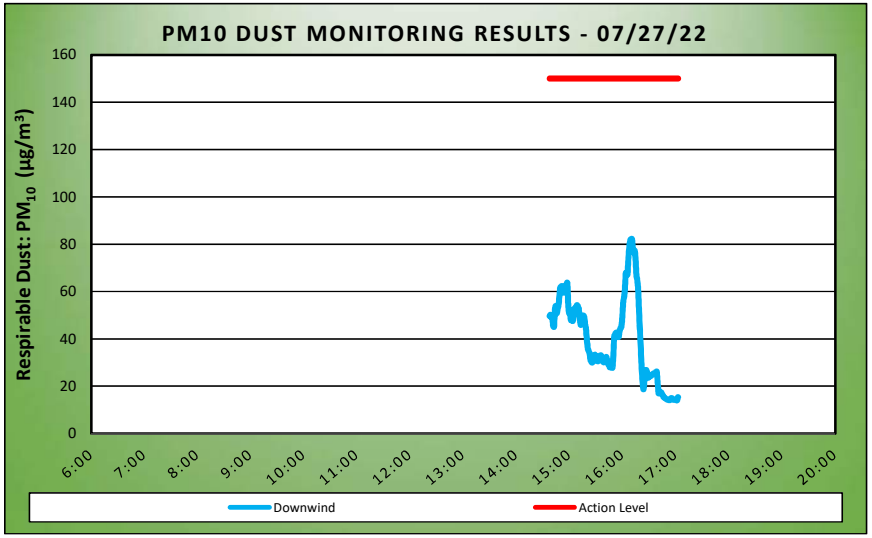
23-30 Borden Ave Site Investigation

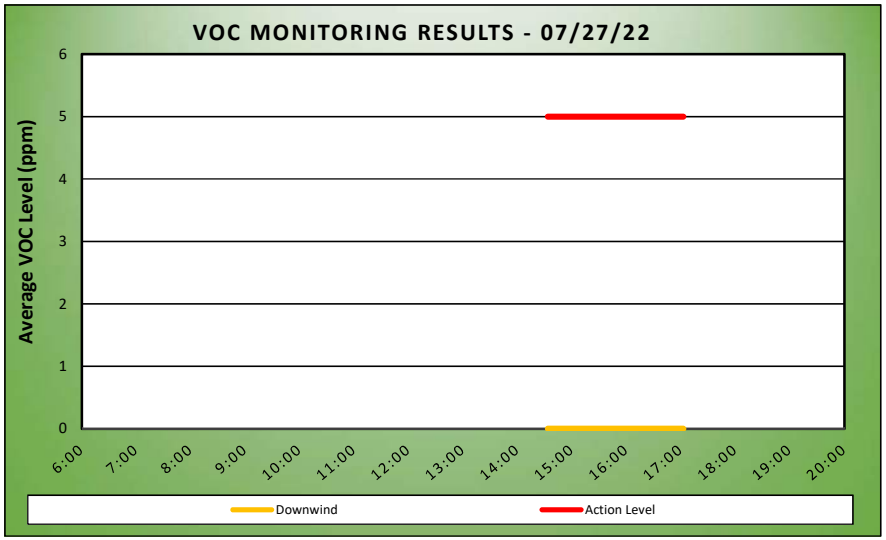
Long Island City, New York

07/27/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	150 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	S	Relative Humidity (%)	34.0 - 46.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	80.0 - 85.0	Wind Speed (MPH)	4.5 - 5.5	Barometer (inHg)	29.90 - 29.90			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	39.8	82.2	16:11	0.0	0.0	14:34



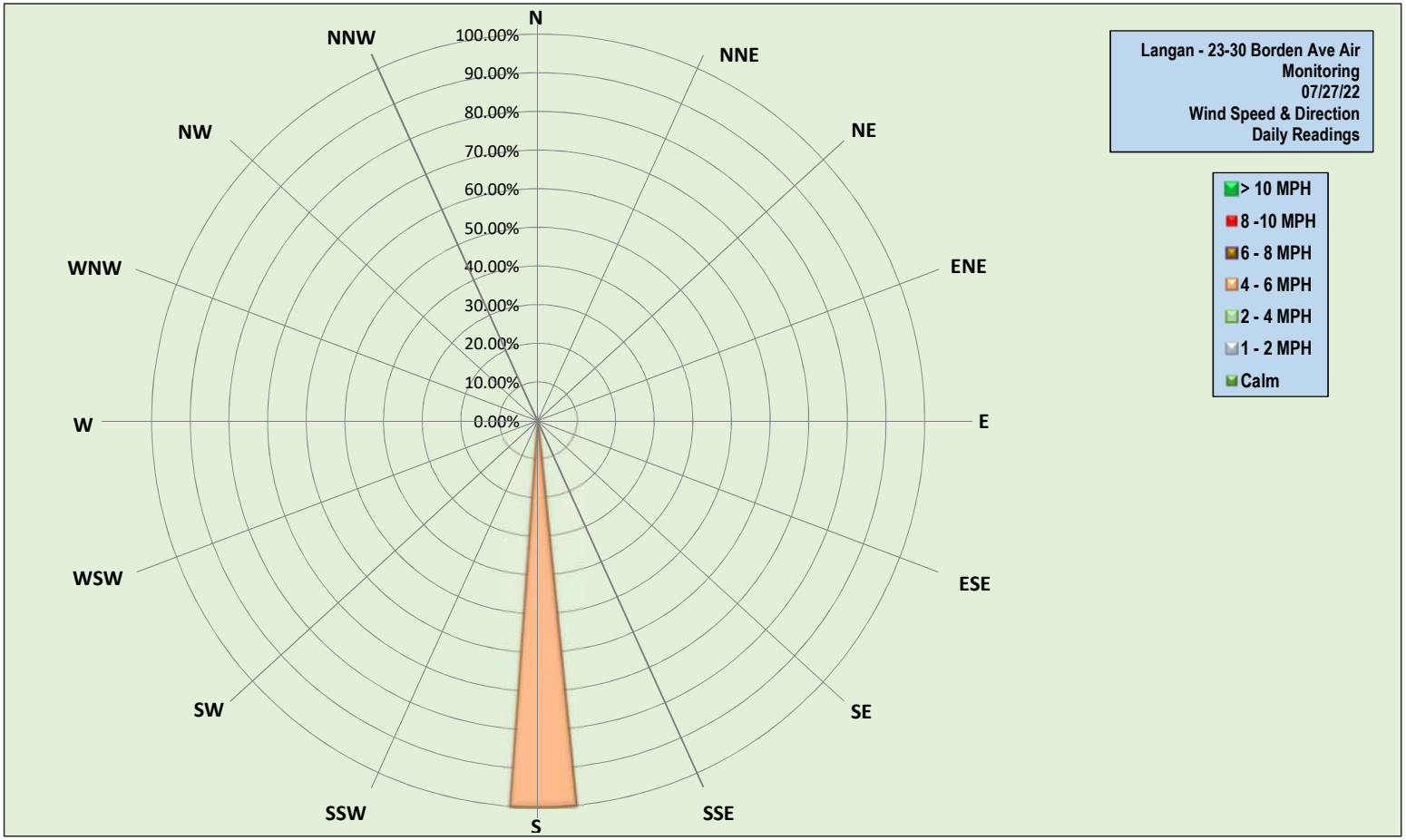


Air Monitoring Notes: CAMP delayed until 2:00pm due to insufficient battery charge following week-long stop work order at the Site.

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


Langan - 23-30 Borden Ave Air Monitoring
07/27/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
100.00%
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Wednesday, July 27, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			0
Start Time:			14:23
End Time:			17:03
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10	-	-	-
7:11	-	-	-
7:12	-	-	-
7:13	-	-	-
7:14	-	-	-
7:15	-	-	-
7:16	-	-	-
7:17	-	-	-
7:18	-	-	-
7:19	-	-	-
7:20	-	-	-
7:21	-	-	-
7:22	-	-	-
7:23	-	-	-
7:24	-	-	-
7:25	-	-	-
7:26	-	-	-
7:27	-	-	-
7:28	-	-	-
7:29	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	-	-	-
7:31	-	-	-
7:32	-	-	-
7:33	-	-	-
7:34	-	-	-
7:35	-	-	-
7:36	-	-	-
7:37	-	-	-
7:38	-	-	-
7:39	-	-	-
7:40	-	-	-
7:41	-	-	-
7:42	-	-	-
7:43	-	-	-
7:44	-	-	-
7:45	-	-	-
7:46	-	-	-
7:47	-	-	-
7:48	-	-	-
7:49	-	-	-
7:50	-	-	-
7:51	-	-	-
7:52	-	-	-
7:53	-	-	-
7:54	-	-	-
7:55	-	-	-
7:56	-	-	-
7:57	-	-	-
7:58	-	-	-
7:59	-	-	-
8:00	-	-	-
8:01	-	-	-
8:02	-	-	-
8:03	-	-	-
8:04	-	-	-
8:05	-	-	-
8:06	-	-	-
8:07	-	-	-
8:08	-	-	-
8:09	-	-	-
8:10	-	-	-
8:11	-	-	-
8:12	-	-	-
8:13	-	-	-
8:14	-	-	-
8:15	-	-	-
8:16	-	-	-
8:17	-	-	-
8:18	-	-	-
8:19	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	-	-	-
8:21	-	-	-
8:22	-	-	-
8:23	-	-	-
8:24	-	-	-
8:25	-	-	-
8:26	-	-	-
8:27	-	-	-
8:28	-	-	-
8:29	-	-	-
8:30	-	-	-
8:31	-	-	-
8:32	-	-	-
8:33	-	-	-
8:34	-	-	-
8:35	-	-	-
8:36	-	-	-
8:37	-	-	-
8:38	-	-	-
8:39	-	-	-
8:40	-	-	-
8:41	-	-	-
8:42	-	-	-
8:43	-	-	-
8:44	-	-	-
8:45	-	-	-
8:46	-	-	-
8:47	-	-	-
8:48	-	-	-
8:49	-	-	-
8:50	-	-	-
8:51	-	-	-
8:52	-	-	-
8:53	-	-	-
8:54	-	-	-
8:55	-	-	-
8:56	-	-	-
8:57	-	-	-
8:58	-	-	-
8:59	-	-	-
9:00	-	-	-
9:01	-	-	-
9:02	-	-	-
9:03	-	-	-
9:04	-	-	-
9:05	-	-	-
9:06	-	-	-
9:07	-	-	-
9:08	-	-	-
9:09	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
9:10	-	-	-
9:11	-	-	-
9:12	-	-	-
9:13	-	-	-
9:14	-	-	-
9:15	-	-	-
9:16	-	-	-
9:17	-	-	-
9:18	-	-	-
9:19	-	-	-
9:20	-	-	-
9:21	-	-	-
9:22	-	-	-
9:23	-	-	-
9:24	-	-	-
9:25	-	-	-
9:26	-	-	-
9:27	-	-	-
9:28	-	-	-
9:29	-	-	-
9:30	-	-	-
9:31	-	-	-
9:32	-	-	-
9:33	-	-	-
9:34	-	-	-
9:35	-	-	-
9:36	-	-	-
9:37	-	-	-
9:38	-	-	-
9:39	-	-	-
9:40	-	-	-
9:41	-	-	-
9:42	-	-	-
9:43	-	-	-
9:44	-	-	-
9:45	-	-	-
9:46	-	-	-
9:47	-	-	-
9:48	-	-	-
9:49	-	-	-
9:50	-	-	-
9:51	-	-	-
9:52	-	-	-
9:53	-	-	-
9:54	-	-	-
9:55	-	-	-
9:56	-	-	-
9:57	-	-	-
9:58	-	-	-
9:59	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	-	-	-
10:01	-	-	-
10:02	-	-	-
10:03	-	-	-
10:04	-	-	-
10:05	-	-	-
10:06	-	-	-
10:07	-	-	-
10:08	-	-	-
10:09	-	-	-
10:10	-	-	-
10:11	-	-	-
10:12	-	-	-
10:13	-	-	-
10:14	-	-	-
10:15	-	-	-
10:16	-	-	-
10:17	-	-	-
10:18	-	-	-
10:19	-	-	-
10:20	-	-	-
10:21	-	-	-
10:22	-	-	-
10:23	-	-	-
10:24	-	-	-
10:25	-	-	-
10:26	-	-	-
10:27	-	-	-
10:28	-	-	-
10:29	-	-	-
10:30	-	-	-
10:31	-	-	-
10:32	-	-	-
10:33	-	-	-
10:34	-	-	-
10:35	-	-	-
10:36	-	-	-
10:37	-	-	-
10:38	-	-	-
10:39	-	-	-
10:40	-	-	-
10:41	-	-	-
10:42	-	-	-
10:43	-	-	-
10:44	-	-	-
10:45	-	-	-
10:46	-	-	-
10:47	-	-	-
10:48	-	-	-
10:49	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	-	-	-
10:51	-	-	-
10:52	-	-	-
10:53	-	-	-
10:54	-	-	-
10:55	-	-	-
10:56	-	-	-
10:57	-	-	-
10:58	-	-	-
10:59	-	-	-
11:00	-	-	-
11:01	-	-	-
11:02	-	-	-
11:03	-	-	-
11:04	-	-	-
11:05	-	-	-
11:06	-	-	-
11:07	-	-	-
11:08	-	-	-
11:09	-	-	-
11:10	-	-	-
11:11	-	-	-
11:12	-	-	-
11:13	-	-	-
11:14	-	-	-
11:15	-	-	-
11:16	-	-	-
11:17	-	-	-
11:18	-	-	-
11:19	-	-	-
11:20	-	-	-
11:21	-	-	-
11:22	-	-	-
11:23	-	-	-
11:24	-	-	-
11:25	-	-	-
11:26	-	-	-
11:27	-	-	-
11:28	-	-	-
11:29	-	-	-
11:30	-	-	-
11:31	-	-	-
11:32	-	-	-
11:33	-	-	-
11:34	-	-	-
11:35	-	-	-
11:36	-	-	-
11:37	-	-	-
11:38	-	-	-
11:39	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	-	-	-
11:41	-	-	-
11:42	-	-	-
11:43	-	-	-
11:44	-	-	-
11:45	-	-	-
11:46	-	-	-
11:47	-	-	-
11:48	-	-	-
11:49	-	-	-
11:50	-	-	-
11:51	-	-	-
11:52	-	-	-
11:53	-	-	-
11:54	-	-	-
11:55	-	-	-
11:56	-	-	-
11:57	-	-	-
11:58	-	-	-
11:59	-	-	-
12:00	-	-	-
12:01	-	-	-
12:02	-	-	-
12:03	-	-	-
12:04	-	-	-
12:05	-	-	-
12:06	-	-	-
12:07	-	-	-
12:08	-	-	-
12:09	-	-	-
12:10	-	-	-
12:11	-	-	-
12:12	-	-	-
12:13	-	-	-
12:14	-	-	-
12:15	-	-	-
12:16	-	-	-
12:17	-	-	-
12:18	-	-	-
12:19	-	-	-
12:20	-	-	-
12:21	-	-	-
12:22	-	-	-
12:23	-	-	-
12:24	-	-	-
12:25	-	-	-
12:26	-	-	-
12:27	-	-	-
12:28	-	-	-
12:29	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	-	-	-
12:31	-	-	-
12:32	-	-	-
12:33	-	-	-
12:34	-	-	-
12:35	-	-	-
12:36	-	-	-
12:37	-	-	-
12:38	-	-	-
12:39	-	-	-
12:40	-	-	-
12:41	-	-	-
12:42	-	-	-
12:43	-	-	-
12:44	-	-	-
12:45	-	-	-
12:46	-	-	-
12:47	-	-	-
12:48	-	-	-
12:49	-	-	-
12:50	-	-	-
12:51	-	-	-
12:52	-	-	-
12:53	-	-	-
12:54	-	-	-
12:55	-	-	-
12:56	-	-	-
12:57	-	-	-
12:58	-	-	-
12:59	-	-	-
13:00	-	-	-
13:01	-	-	-
13:02	-	-	-
13:03	-	-	-
13:04	-	-	-
13:05	-	-	-
13:06	-	-	-
13:07	-	-	-
13:08	-	-	-
13:09	-	-	-
13:10	-	-	-
13:11	-	-	-
13:12	-	-	-
13:13	-	-	-
13:14	-	-	-
13:15	-	-	-
13:16	-	-	-
13:17	-	-	-
13:18	-	-	-
13:19	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	-	-	-
13:21	-	-	-
13:22	-	-	-
13:23	-	-	-
13:24	-	-	-
13:25	-	-	-
13:26	-	-	-
13:27	-	-	-
13:28	-	-	-
13:29	-	-	-
13:30	-	-	-
13:31	-	-	-
13:32	-	-	-
13:33	-	-	-
13:34	-	-	-
13:35	-	-	-
13:36	-	-	-
13:37	-	-	-
13:38	-	-	-
13:39	-	-	-
13:40	-	-	-
13:41	-	-	-
13:42	-	-	-
13:43	-	-	-
13:44	-	-	-
13:45	-	-	-
13:46	-	-	-
13:47	-	-	-
13:48	-	-	-
13:49	-	-	-
13:50	-	-	-
13:51	-	-	-
13:52	-	-	-
13:53	-	-	-
13:54	-	-	-
13:55	-	-	-
13:56	-	-	-
13:57	-	-	-
13:58	-	-	-
13:59	-	-	-
14:00	-	-	-
14:01	-	-	-
14:02	-	-	-
14:03	-	-	-
14:04	-	-	-
14:05	-	-	-
14:06	-	-	-
14:07	-	-	-
14:08	-	-	-
14:09	-	-	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	-	-	-
14:11	-	-	-
14:12	-	-	-
14:13	-	-	-
14:14	-	-	-
14:15	-	-	-
14:16	-	-	-
14:17	-	-	-
14:18	-	-	-
14:19	-	-	-
14:20	-	-	-
14:21	-	-	-
14:22	-	-	-
14:23	69.5	-	-
14:24	68.3	-	-
14:25	48.5	-	-
14:26	45.3	-	-
14:27	78.8	-	-
14:28	66.8	-	-
14:29	51.3	-	-
14:30	56.8	-	-
14:31	72.5	-	-
14:32	52.0	-	-
14:33	28.5	-	-
14:34	24.5	-	-
14:35	17.3	-	-
14:36	23.0	-	-
14:37	48.0	-	-
14:38	63.5	49.7	-
14:39	75.5	50.1	-
14:40	30.5	48.9	-
14:41	46.5	49.0	-
14:42	24.3	45.4	-
14:43	62.3	45.1	-
14:44	162.8	52.5	-
14:45	76.8	53.9	-
14:46	26.5	50.8	-
14:47	79.8	52.6	-
14:48	48.5	54.0	-
14:49	83.0	57.9	-
14:50	73.8	61.6	-
14:51	29.3	62.1	-
14:52	51.5	62.3	-
14:53	42.0	60.9	-
14:54	56.0	59.6	-
14:55	41.5	60.3	-
14:56	39.5	59.8	-
14:57	71.0	62.9	-
14:58	73.5	63.7	-
14:59	30.3	54.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	16.0	50.8	-
15:01	29.5	51.0	-
15:02	34.0	48.0	-
15:03	64.5	49.0	-
15:04	60.5	47.5	-
15:05	97.0	49.1	-
15:06	85.8	52.8	-
15:07	44.5	52.4	-
15:08	56.0	53.3	-
15:09	70.5	54.3	-
15:10	32.5	53.7	-
15:11	24.0	52.6	-
15:12	20.3	49.3	-
15:13	25.0	46.0	-
15:14	37.8	46.5	-
15:15	34.5	47.8	-
15:16	60.5	49.8	-
15:17	27.0	49.4	-
15:18	21.3	46.5	-
15:19	30.0	44.4	-
15:20	33.6	40.2	-
15:21	27.0	36.3	-
15:22	24.3	34.9	-
15:23	41.0	33.9	-
15:24	31.0	31.3	-
15:25	19.0	30.4	-
15:26	17.3	30.0	-
15:27	28.5	30.5	-
15:28	52.5	32.3	-
15:29	52.0	33.3	-
15:30	26.3	32.7	-
15:31	33.3	30.9	-
15:32	21.0	30.5	-
15:33	23.3	30.7	-
15:34	48.8	31.9	-
15:35	48.8	32.9	-
15:36	28.5	33.0	-
15:37	16.3	32.5	-
15:38	14.0	30.7	-
15:39	22.3	30.1	-
15:40	23.8	30.4	-
15:41	34.5	31.6	-
15:42	39.8	32.3	-
15:43	36.3	31.2	-
15:44	23.8	29.4	-
15:45	18.8	28.9	-
15:46	19.8	28.0	-
15:47	24.5	28.2	-
15:48	29.5	28.6	-
15:49	37.3	27.8	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:50	128.3	33.1	-
15:51	147.8	41.1	-
15:52	28.0	41.9	-
15:53	24.8	42.6	-
15:54	18.8	42.4	-
15:55	17.3	41.9	-
15:56	17.3	40.8	-
15:57	77.3	43.3	-
15:58	54.8	44.5	-
15:59	31.0	45.0	-
16:00	71.0	48.5	-
16:01	120.5	55.2	-
16:02	59.3	57.5	-
16:03	77.5	60.7	-
16:04	143.8	67.8	-
16:05	129.3	67.9	-
16:06	138.5	67.3	-
16:07	132.8	74.2	-
16:08	92.5	78.8	-
16:09	60.8	81.6	-
16:10	26.3	82.2	-
16:11	17.5	82.2	-
16:12	16.8	78.1	-
16:13	27.8	76.3	-
16:14	46.0	77.3	-
16:15	23.3	74.2	-
16:16	16.3	67.2	-
16:17	23.5	64.8	-
16:18	14.0	60.6	-
16:19	11.0	51.7	-
16:20	11.8	43.9	-
16:21	13.8	35.6	-
16:22	10.5	27.4	-
16:23	10.5	22.0	-
16:24	11.0	18.7	-
16:25	80.5	22.3	-
16:26	81.8	26.6	-
16:27	21.4	26.9	-
16:28	12.4	25.8	-
16:29	13.0	23.6	-
16:30	24.6	23.7	-
16:31	25.2	24.3	-
16:32	22.8	24.3	-
16:33	17.3	24.5	-
16:34	16.3	24.8	-
16:35	18.3	25.3	-
16:36	15.8	25.4	-
16:37	13.8	25.6	-
16:38	15.0	25.9	-
16:39	14.3	26.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
16:40	10.5	21.5	-
16:41	14.5	17.0	-
16:42	21.3	17.0	-
16:43	16.5	17.3	-
16:44	15.0	17.4	-
16:45	14.3	16.7	-
16:46	12.8	15.9	-
16:47	13.8	15.3	-
16:48	15.0	15.1	-
16:49	11.8	14.8	-
16:50	13.0	14.5	-
16:51	13.0	14.3	-
16:52	12.8	14.2	-
16:53	13.0	14.1	-
16:54	15.3	14.2	-
16:55	21.0	14.9	-
16:56	16.0	15.0	-
16:57	14.3	14.5	-
16:58	13.0	14.3	-
16:59	14.5	14.2	-
17:00	14.8	14.3	-
17:01	10.8	14.1	-
17:02	12.0	14.0	-
17:03	36.0	15.4	-
17:04	-	-	-

Wednesday, July 27, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			14:19
End Time:			17:03
PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	-	-	-
7:09	-	-	-
7:10	-	-	-
7:11	-	-	-
7:12	-	-	-
7:13	-	-	-
7:14	-	-	-
7:15	-	-	-
7:16	-	-	-
7:17	-	-	-
7:18	-	-	-
7:19	-	-	-
7:20	-	-	-
7:21	-	-	-
7:22	-	-	-
7:23	-	-	-
7:24	-	-	-
7:25	-	-	-
7:26	-	-	-
7:27	-	-	-
7:28	-	-	-
7:29	-	-	-
7:30	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
7:31	-	-	-
7:32	-	-	-
7:33	-	-	-
7:34	-	-	-
7:35	-	-	-
7:36	-	-	-
7:37	-	-	-
7:38	-	-	-
7:39	-	-	-
7:40	-	-	-
7:41	-	-	-
7:42	-	-	-
7:43	-	-	-
7:44	-	-	-
7:45	-	-	-
7:46	-	-	-
7:47	-	-	-
7:48	-	-	-
7:49	-	-	-
7:50	-	-	-
7:51	-	-	-
7:52	-	-	-
7:53	-	-	-
7:54	-	-	-
7:55	-	-	-
7:56	-	-	-
7:57	-	-	-
7:58	-	-	-
7:59	-	-	-
8:00	-	-	-
8:01	-	-	-
8:02	-	-	-
8:03	-	-	-
8:04	-	-	-
8:05	-	-	-
8:06	-	-	-
8:07	-	-	-
8:08	-	-	-
8:09	-	-	-
8:10	-	-	-
8:11	-	-	-
8:12	-	-	-
8:13	-	-	-
8:14	-	-	-
8:15	-	-	-
8:16	-	-	-
8:17	-	-	-
8:18	-	-	-
8:19	-	-	-
8:20	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
8:21	-	-	-
8:22	-	-	-
8:23	-	-	-
8:24	-	-	-
8:25	-	-	-
8:26	-	-	-
8:27	-	-	-
8:28	-	-	-
8:29	-	-	-
8:30	-	-	-
8:31	-	-	-
8:32	-	-	-
8:33	-	-	-
8:34	-	-	-
8:35	-	-	-
8:36	-	-	-
8:37	-	-	-
8:38	-	-	-
8:39	-	-	-
8:40	-	-	-
8:41	-	-	-
8:42	-	-	-
8:43	-	-	-
8:44	-	-	-
8:45	-	-	-
8:46	-	-	-
8:47	-	-	-
8:48	-	-	-
8:49	-	-	-
8:50	-	-	-
8:51	-	-	-
8:52	-	-	-
8:53	-	-	-
8:54	-	-	-
8:55	-	-	-
8:56	-	-	-
8:57	-	-	-
8:58	-	-	-
8:59	-	-	-
9:00	-	-	-
9:01	-	-	-
9:02	-	-	-
9:03	-	-	-
9:04	-	-	-
9:05	-	-	-
9:06	-	-	-
9:07	-	-	-
9:08	-	-	-
9:09	-	-	-
9:10	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
9:11	-	-	-
9:12	-	-	-
9:13	-	-	-
9:14	-	-	-
9:15	-	-	-
9:16	-	-	-
9:17	-	-	-
9:18	-	-	-
9:19	-	-	-
9:20	-	-	-
9:21	-	-	-
9:22	-	-	-
9:23	-	-	-
9:24	-	-	-
9:25	-	-	-
9:26	-	-	-
9:27	-	-	-
9:28	-	-	-
9:29	-	-	-
9:30	-	-	-
9:31	-	-	-
9:32	-	-	-
9:33	-	-	-
9:34	-	-	-
9:35	-	-	-
9:36	-	-	-
9:37	-	-	-
9:38	-	-	-
9:39	-	-	-
9:40	-	-	-
9:41	-	-	-
9:42	-	-	-
9:43	-	-	-
9:44	-	-	-
9:45	-	-	-
9:46	-	-	-
9:47	-	-	-
9:48	-	-	-
9:49	-	-	-
9:50	-	-	-
9:51	-	-	-
9:52	-	-	-
9:53	-	-	-
9:54	-	-	-
9:55	-	-	-
9:56	-	-	-
9:57	-	-	-
9:58	-	-	-
9:59	-	-	-
10:00	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:01	-	-	-
10:02	-	-	-
10:03	-	-	-
10:04	-	-	-
10:05	-	-	-
10:06	-	-	-
10:07	-	-	-
10:08	-	-	-
10:09	-	-	-
10:10	-	-	-
10:11	-	-	-
10:12	-	-	-
10:13	-	-	-
10:14	-	-	-
10:15	-	-	-
10:16	-	-	-
10:17	-	-	-
10:18	-	-	-
10:19	-	-	-
10:20	-	-	-
10:21	-	-	-
10:22	-	-	-
10:23	-	-	-
10:24	-	-	-
10:25	-	-	-
10:26	-	-	-
10:27	-	-	-
10:28	-	-	-
10:29	-	-	-
10:30	-	-	-
10:31	-	-	-
10:32	-	-	-
10:33	-	-	-
10:34	-	-	-
10:35	-	-	-
10:36	-	-	-
10:37	-	-	-
10:38	-	-	-
10:39	-	-	-
10:40	-	-	-
10:41	-	-	-
10:42	-	-	-
10:43	-	-	-
10:44	-	-	-
10:45	-	-	-
10:46	-	-	-
10:47	-	-	-
10:48	-	-	-
10:49	-	-	-
10:50	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:51	-	-	-
10:52	-	-	-
10:53	-	-	-
10:54	-	-	-
10:55	-	-	-
10:56	-	-	-
10:57	-	-	-
10:58	-	-	-
10:59	-	-	-
11:00	-	-	-
11:01	-	-	-
11:02	-	-	-
11:03	-	-	-
11:04	-	-	-
11:05	-	-	-
11:06	-	-	-
11:07	-	-	-
11:08	-	-	-
11:09	-	-	-
11:10	-	-	-
11:11	-	-	-
11:12	-	-	-
11:13	-	-	-
11:14	-	-	-
11:15	-	-	-
11:16	-	-	-
11:17	-	-	-
11:18	-	-	-
11:19	-	-	-
11:20	-	-	-
11:21	-	-	-
11:22	-	-	-
11:23	-	-	-
11:24	-	-	-
11:25	-	-	-
11:26	-	-	-
11:27	-	-	-
11:28	-	-	-
11:29	-	-	-
11:30	-	-	-
11:31	-	-	-
11:32	-	-	-
11:33	-	-	-
11:34	-	-	-
11:35	-	-	-
11:36	-	-	-
11:37	-	-	-
11:38	-	-	-
11:39	-	-	-
11:40	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
11:41	-	-	-
11:42	-	-	-
11:43	-	-	-
11:44	-	-	-
11:45	-	-	-
11:46	-	-	-
11:47	-	-	-
11:48	-	-	-
11:49	-	-	-
11:50	-	-	-
11:51	-	-	-
11:52	-	-	-
11:53	-	-	-
11:54	-	-	-
11:55	-	-	-
11:56	-	-	-
11:57	-	-	-
11:58	-	-	-
11:59	-	-	-
12:00	-	-	-
12:01	-	-	-
12:02	-	-	-
12:03	-	-	-
12:04	-	-	-
12:05	-	-	-
12:06	-	-	-
12:07	-	-	-
12:08	-	-	-
12:09	-	-	-
12:10	-	-	-
12:11	-	-	-
12:12	-	-	-
12:13	-	-	-
12:14	-	-	-
12:15	-	-	-
12:16	-	-	-
12:17	-	-	-
12:18	-	-	-
12:19	-	-	-
12:20	-	-	-
12:21	-	-	-
12:22	-	-	-
12:23	-	-	-
12:24	-	-	-
12:25	-	-	-
12:26	-	-	-
12:27	-	-	-
12:28	-	-	-
12:29	-	-	-
12:30	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
12:31	-	-	-
12:32	-	-	-
12:33	-	-	-
12:34	-	-	-
12:35	-	-	-
12:36	-	-	-
12:37	-	-	-
12:38	-	-	-
12:39	-	-	-
12:40	-	-	-
12:41	-	-	-
12:42	-	-	-
12:43	-	-	-
12:44	-	-	-
12:45	-	-	-
12:46	-	-	-
12:47	-	-	-
12:48	-	-	-
12:49	-	-	-
12:50	-	-	-
12:51	-	-	-
12:52	-	-	-
12:53	-	-	-
12:54	-	-	-
12:55	-	-	-
12:56	-	-	-
12:57	-	-	-
12:58	-	-	-
12:59	-	-	-
13:00	-	-	-
13:01	-	-	-
13:02	-	-	-
13:03	-	-	-
13:04	-	-	-
13:05	-	-	-
13:06	-	-	-
13:07	-	-	-
13:08	-	-	-
13:09	-	-	-
13:10	-	-	-
13:11	-	-	-
13:12	-	-	-
13:13	-	-	-
13:14	-	-	-
13:15	-	-	-
13:16	-	-	-
13:17	-	-	-
13:18	-	-	-
13:19	-	-	-
13:20	-	-	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
13:21	-	-	-
13:22	-	-	-
13:23	-	-	-
13:24	-	-	-
13:25	-	-	-
13:26	-	-	-
13:27	-	-	-
13:28	-	-	-
13:29	-	-	-
13:30	-	-	-
13:31	-	-	-
13:32	-	-	-
13:33	-	-	-
13:34	-	-	-
13:35	-	-	-
13:36	-	-	-
13:37	-	-	-
13:38	-	-	-
13:39	-	-	-
13:40	-	-	-
13:41	-	-	-
13:42	-	-	-
13:43	-	-	-
13:44	-	-	-
13:45	-	-	-
13:46	-	-	-
13:47	-	-	-
13:48	-	-	-
13:49	-	-	-
13:50	-	-	-
13:51	-	-	-
13:52	-	-	-
13:53	-	-	-
13:54	-	-	-
13:55	-	-	-
13:56	-	-	-
13:57	-	-	-
13:58	-	-	-
13:59	-	-	-
14:00	-	-	-
14:01	-	-	-
14:02	-	-	-
14:03	-	-	-
14:04	-	-	-
14:05	-	-	-
14:06	-	-	-
14:07	-	-	-
14:08	-	-	-
14:09	-	-	-
14:10	-	-	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
14:11	-	-	-
14:12	-	-	-
14:13	-	-	-
14:14	-	-	-
14:15	-	-	-
14:16	-	-	-
14:17	-	-	-
14:18	-	-	-
14:19	0.0	-	-
14:20	0.0	-	-
14:21	0.0	-	-
14:22	0.0	-	-
14:23	0.0	-	-
14:24	0.0	-	-
14:25	0.0	-	-
14:26	0.0	-	-
14:27	0.0	-	-
14:28	0.0	-	-
14:29	0.0	-	-
14:30	0.0	-	-
14:31	0.0	-	-
14:32	0.0	-	-
14:33	0.0	-	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-
15:00	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	0.0	0.0	-
15:43	0.0	0.0	-
15:44	0.0	0.0	-
15:45	0.0	0.0	-
15:46	0.0	0.0	-
15:47	0.0	0.0	-
15:48	0.0	0.0	-
15:49	0.0	0.0	-
15:50	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:51	0.0	0.0	-
15:52	0.0	0.0	-
15:53	0.0	0.0	-
15:54	0.0	0.0	-
15:55	0.0	0.0	-
15:56	0.0	0.0	-
15:57	0.0	0.0	-
15:58	0.0	0.0	-
15:59	0.0	0.0	-
16:00	0.0	0.0	-
16:01	0.0	0.0	-
16:02	0.0	0.0	-
16:03	0.0	0.0	-
16:04	0.0	0.0	-
16:05	0.0	0.0	-
16:06	0.0	0.0	-
16:07	0.0	0.0	-
16:08	0.0	0.0	-
16:09	0.0	0.0	-
16:10	0.0	0.0	-
16:11	0.0	0.0	-
16:12	0.0	0.0	-
16:13	0.0	0.0	-
16:14	0.0	0.0	-
16:15	0.0	0.0	-
16:16	0.0	0.0	-
16:17	0.0	0.0	-
16:18	0.0	0.0	-
16:19	0.0	0.0	-
16:20	0.0	0.0	-
16:21	0.0	0.0	-
16:22	0.0	0.0	-
16:23	0.0	0.0	-
16:24	0.0	0.0	-
16:25	0.0	0.0	-
16:26	0.0	0.0	-
16:27	0.0	0.0	-
16:28	0.0	0.0	-
16:29	0.0	0.0	-
16:30	0.0	0.0	-
16:31	0.0	0.0	-
16:32	0.0	0.0	-
16:33	0.0	0.0	-
16:34	0.0	0.0	-
16:35	0.0	0.0	-
16:36	0.0	0.0	-
16:37	0.0	0.0	-
16:38	0.0	0.0	-
16:39	0.0	0.0	-
16:40	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
16:41	0.0	0.0	-
16:42	0.0	0.0	-
16:43	0.0	0.0	-
16:44	0.0	0.0	-
16:45	0.0	0.0	-
16:46	0.0	0.0	-
16:47	0.0	0.0	-
16:48	0.0	0.0	-
16:49	0.0	0.0	-
16:50	0.0	0.0	-
16:51	0.0	0.0	-
16:52	0.0	0.0	-
16:53	0.0	0.0	-
16:54	0.0	0.0	-
16:55	0.0	0.0	-
16:56	0.0	0.0	-
16:57	0.0	0.0	-
16:58	0.0	0.0	-
16:59	0.0	0.0	-
17:00	0.0	0.0	-
17:01	0.0	0.0	-
17:02	0.0	0.0	-
17:03	0.0	0.0	-
17:04	-	-	-

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

DAILY AIR MONITORING REPORT

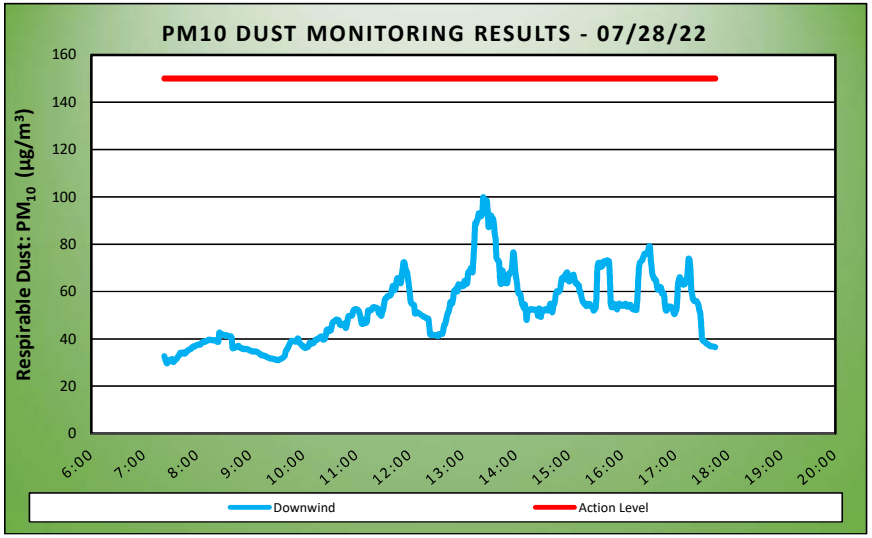
23-30 Borden Ave Site Investigation

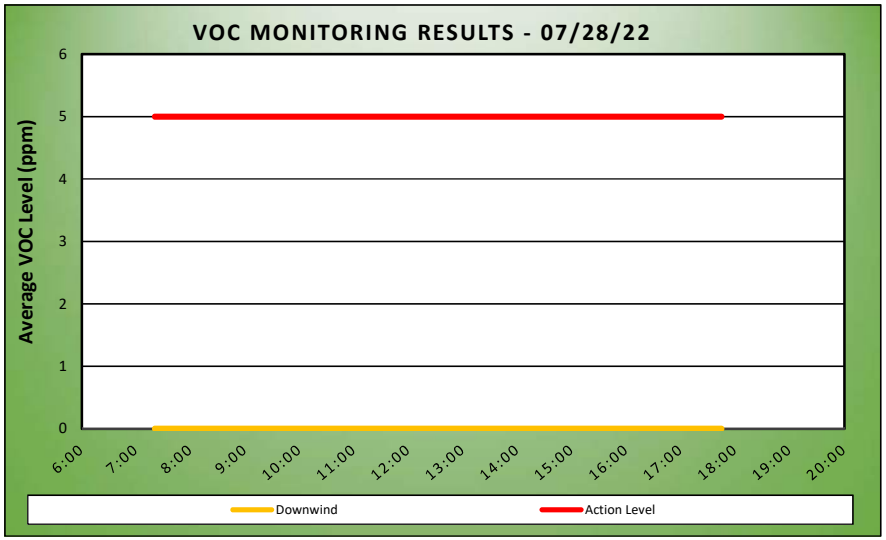
Long Island City, New York

07/28/22	
Project number: 100766601	
Page 1 of 1	Rev. No. 0
Submitted By:	
Dust Action Level	145 µg/m^3
TVOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	SSW	Relative Humidity (%)	54.0 - 88.0	Daily Rain (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	75.0 - 87.0	Wind Speed (MPH)	1.7 - 4.5	Barometer (inHg)	29.80 - 29.90			

Station Location Work Area	Daily Avg. Dust Concentration (µg/m^3)	Max 15 Min Dust Concentration (µg/m^3)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
Downwind	51.7	99.8	13:23	0.0	0.0	7:21



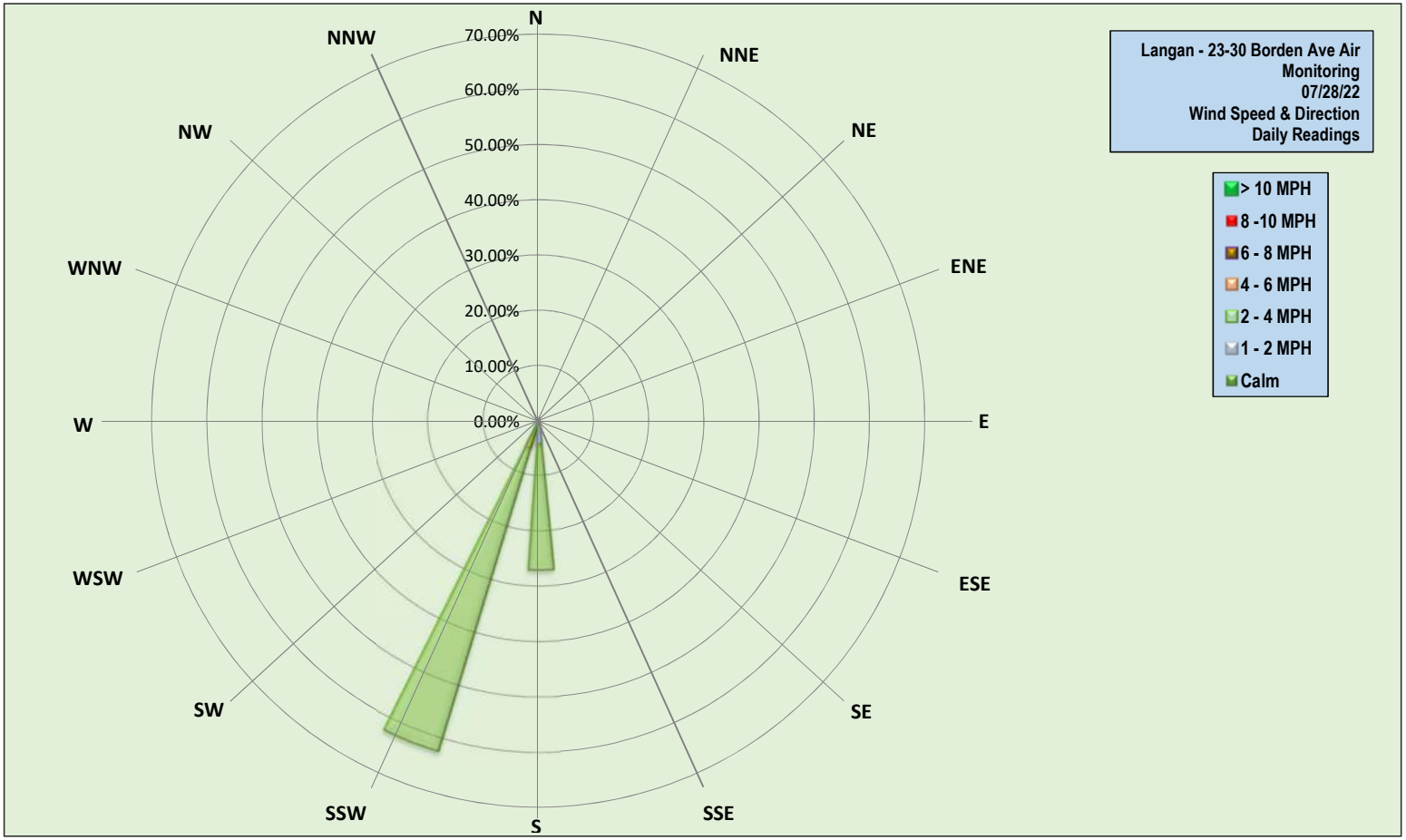


Air Monitoring Notes:

Sampling Notes:

Weather Notes:

EMILCOTT
environmental, health & safety experts


Langan - 23-30 Borden Ave Air Monitoring
07/28/22
Wind Speed & Direction
Daily Readings
> 10 MPH
8 -10 MPH
6 - 8 MPH
4 - 6 MPH
2 - 4 MPH
1 - 2 MPH
Calm
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Thursday, July 28, 2022			
Number of Instances Where Downwind Particulates Exceeds 150 =			0
Start Time:			7:08
End Time:			17:45
PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	-	-	-
7:07	-	-	-
7:08	45.0	-	-
7:09	44.8	-	-
7:10	43.3	-	-
7:11	35.3	-	-
7:12	26.8	-	-
7:13	26.0	-	-
7:14	26.3	-	-
7:15	33.8	-	-
7:16	38.5	-	-
7:17	35.8	-	-
7:18	48.0	-	-
7:19	24.8	-	-
7:20	24.5	-	-
7:21	26.5	-	-
7:22	27.5	-	-
7:23	27.8	32.6	-
7:24	26.5	31.4	-
7:25	26.8	30.3	-
7:26	25.0	29.6	-
7:27	35.5	30.2	-
7:28	36.8	30.9	-
7:29	27.8	31.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
7:30	35.5	31.1	-
7:31	42.0	31.4	-
7:32	36.3	31.4	-
7:33	30.3	30.2	-
7:34	28.5	30.5	-
7:35	31.0	30.9	-
7:36	33.3	31.4	-
7:37	30.5	31.6	-
7:38	37.5	32.2	-
7:39	36.0	32.8	-
7:40	35.0	33.4	-
7:41	36.0	34.1	-
7:42	35.3	34.1	-
7:43	32.0	33.8	-
7:44	34.0	34.2	-
7:45	34.8	34.2	-
7:46	35.6	33.7	-
7:47	40.2	34.0	-
7:48	38.4	34.5	-
7:49	35.3	35.0	-
7:50	35.0	35.2	-
7:51	34.5	35.3	-
7:52	35.3	35.6	-
7:53	38.8	35.7	-
7:54	44.0	36.3	-
7:55	40.5	36.6	-
7:56	38.8	36.8	-
7:57	34.3	36.7	-
7:58	35.3	37.0	-
7:59	37.5	37.2	-
8:00	38.0	37.4	-
8:01	37.8	37.6	-
8:02	39.0	37.5	-
8:03	38.0	37.5	-
8:04	39.3	37.7	-
8:05	42.5	38.2	-
8:06	39.5	38.6	-
8:07	39.0	38.8	-
8:08	40.3	38.9	-
8:09	41.8	38.8	-
8:10	43.8	39.0	-
8:11	41.3	39.1	-
8:12	39.0	39.5	-
8:13	38.0	39.6	-
8:14	38.0	39.7	-
8:15	37.0	39.6	-
8:16	36.8	39.5	-
8:17	36.0	39.3	-
8:18	38.5	39.4	-
8:19	41.0	39.5	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
8:20	39.0	39.3	-
8:21	37.3	39.1	-
8:22	37.0	39.0	-
8:23	36.0	38.7	-
8:24	43.5	38.8	-
8:25	100.8	42.6	-
8:26	36.0	42.3	-
8:27	36.3	42.1	-
8:28	36.5	42.0	-
8:29	35.8	41.8	-
8:30	34.0	41.6	-
8:31	33.5	41.4	-
8:32	34.3	41.3	-
8:33	42.3	41.5	-
8:34	37.8	41.3	-
8:35	38.0	41.3	-
8:36	34.5	41.1	-
8:37	34.5	40.9	-
8:38	38.3	41.1	-
8:39	33.8	40.4	-
8:40	35.5	36.1	-
8:41	36.8	36.1	-
8:42	40.3	36.4	-
8:43	36.8	36.4	-
8:44	36.8	36.5	-
8:45	38.3	36.7	-
8:46	37.3	37.0	-
8:47	34.0	37.0	-
8:48	34.5	36.5	-
8:49	33.5	36.2	-
8:50	34.0	35.9	-
8:51	33.0	35.8	-
8:52	35.8	35.9	-
8:53	34.8	35.7	-
8:54	34.2	35.7	-
8:55	36.4	35.7	-
8:56	37.2	35.8	-
8:57	37.4	35.6	-
8:58	34.2	35.4	-
8:59	34.6	35.3	-
9:00	33.8	35.0	-
9:01	34.5	34.8	-
9:02	33.3	34.7	-
9:03	33.0	34.6	-
9:04	35.3	34.8	-
9:05	31.8	34.6	-
9:06	33.3	34.6	-
9:07	35.3	34.6	-
9:08	31.5	34.4	-
9:09	31.5	34.2	-

PARTICULATE DATA			
Downwind			
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	Exceeds Particulate Alarm Limit
9:10	32.8	33.9	-
9:11	31.3	33.5	-
9:12	31.5	33.2	-
9:13	32.3	33.0	-
9:14	35.0	33.1	-
9:15	32.8	33.0	-
9:16	32.0	32.8	-
9:17	31.5	32.7	-
9:18	30.3	32.5	-
9:19	30.0	32.2	-
9:20	30.5	32.1	-
9:21	31.8	32.0	-
9:22	31.5	31.7	-
9:23	30.8	31.7	-
9:24	31.0	31.7	-
9:25	31.0	31.5	-
9:26	31.3	31.5	-
9:27	30.3	31.5	-
9:28	31.0	31.4	-
9:29	31.0	31.1	-
9:30	31.5	31.0	-
9:31	31.0	31.0	-
9:32	32.5	31.0	-
9:33	33.0	31.2	-
9:34	32.8	31.4	-
9:35	34.0	31.6	-
9:36	34.5	31.8	-
9:37	35.8	32.1	-
9:38	36.0	32.4	-
9:39	37.5	32.9	-
9:40	57.0	34.6	-
9:41	41.8	35.3	-
9:42	39.0	35.9	-
9:43	40.8	36.5	-
9:44	46.3	37.6	-
9:45	41.5	38.2	-
9:46	40.3	38.8	-
9:47	37.5	39.2	-
9:48	32.3	39.1	-
9:49	31.3	39.0	-
9:50	32.8	38.9	-
9:51	32.8	38.8	-
9:52	43.5	39.3	-
9:53	43.8	39.9	-
9:54	41.8	40.1	-
9:55	35.0	38.7	-
9:56	34.0	38.2	-
9:57	34.0	37.8	-
9:58	35.0	37.4	-
9:59	37.8	36.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:00	40.8	36.8	-
10:01	34.3	36.4	-
10:02	33.5	36.2	-
10:03	34.0	36.3	-
10:04	34.0	36.5	-
10:05	35.3	36.6	-
10:06	43.6	37.3	-
10:07	58.2	38.3	-
10:08	44.2	38.4	-
10:09	36.6	38.0	-
10:10	35.8	38.1	-
10:11	35.5	38.2	-
10:12	38.8	38.5	-
10:13	44.3	39.1	-
10:14	46.5	39.7	-
10:15	39.0	39.6	-
10:16	38.0	39.8	-
10:17	39.0	40.2	-
10:18	39.0	40.5	-
10:19	36.3	40.7	-
10:20	40.8	41.0	-
10:21	40.8	40.8	-
10:22	41.3	39.7	-
10:23	43.5	39.7	-
10:24	40.8	39.9	-
10:25	50.5	40.9	-
10:26	71.0	43.3	-
10:27	49.3	44.0	-
10:28	40.0	43.7	-
10:29	40.0	43.3	-
10:30	40.8	43.4	-
10:31	42.8	43.7	-
10:32	63.8	45.4	-
10:33	62.0	46.9	-
10:34	41.3	47.2	-
10:35	43.8	47.4	-
10:36	46.8	47.8	-
10:37	45.8	48.1	-
10:38	41.3	48.0	-
10:39	41.5	48.0	-
10:40	45.8	47.7	-
10:41	50.3	46.3	-
10:42	41.5	45.8	-
10:43	42.0	45.9	-
10:44	43.3	46.2	-
10:45	43.0	46.3	-
10:46	43.3	46.3	-
10:47	46.8	45.2	-
10:48	53.0	44.6	-
10:49	63.8	46.1	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
10:50	75.8	48.2	-
10:51	68.3	49.7	-
10:52	45.5	49.7	-
10:53	41.0	49.6	-
10:54	43.0	49.7	-
10:55	48.8	49.9	-
10:56	72.8	51.4	-
10:57	53.3	52.2	-
10:58	46.3	52.5	-
10:59	44.8	52.6	-
11:00	41.3	52.5	-
11:01	41.0	52.3	-
11:02	41.8	52.0	-
11:03	42.3	51.3	-
11:04	43.3	49.9	-
11:05	44.3	47.8	-
11:06	46.0	46.3	-
11:07	45.5	46.3	-
11:08	42.8	46.5	-
11:09	46.3	46.7	-
11:10	70.0	48.1	-
11:11	53.8	46.8	-
11:12	75.3	48.3	-
11:13	100.8	51.9	-
11:14	44.3	51.9	-
11:15	42.0	51.9	-
11:16	43.0	52.1	-
11:17	45.2	52.3	-
11:18	54.0	53.1	-
11:19	48.0	53.4	-
11:20	44.3	53.4	-
11:21	44.8	53.3	-
11:22	42.3	53.1	-
11:23	41.5	53.0	-
11:24	43.3	52.8	-
11:25	42.8	51.0	-
11:26	46.8	50.5	-
11:27	74.8	50.5	-
11:28	88.8	49.7	-
11:29	72.3	51.6	-
11:30	55.3	52.4	-
11:31	74.3	54.5	-
11:32	77.0	56.7	-
11:33	61.8	57.2	-
11:34	52.3	57.5	-
11:35	53.0	58.0	-
11:36	45.3	58.1	-
11:37	43.0	58.1	-
11:38	44.5	58.3	-
11:39	50.3	58.8	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
11:40	74.3	60.9	-
11:41	69.0	62.4	-
11:42	53.0	60.9	-
11:43	84.3	60.6	-
11:44	83.8	61.4	-
11:45	94.3	64.0	-
11:46	98.0	65.6	-
11:47	62.3	64.6	-
11:48	55.3	64.2	-
11:49	47.0	63.8	-
11:50	48.5	63.5	-
11:51	95.0	66.8	-
11:52	82.3	69.4	-
11:53	88.0	72.3	-
11:54	49.0	72.3	-
11:55	44.3	70.3	-
11:56	45.5	68.7	-
11:57	45.0	68.2	-
11:58	45.3	65.6	-
11:59	45.0	63.0	-
12:00	44.5	59.7	-
12:01	43.0	56.0	-
12:02	48.3	55.1	-
12:03	49.3	54.7	-
12:04	44.3	54.5	-
12:05	42.0	54.0	-
12:06	45.3	50.7	-
12:07	83.0	50.8	-
12:08	95.3	51.3	-
12:09	47.3	51.1	-
12:10	41.0	50.9	-
12:11	41.0	50.6	-
12:12	41.3	50.4	-
12:13	41.0	50.1	-
12:14	40.5	49.8	-
12:15	40.5	49.5	-
12:16	40.5	49.4	-
12:17	46.3	49.2	-
12:18	44.5	48.9	-
12:19	41.5	48.7	-
12:20	41.3	48.7	-
12:21	42.0	48.5	-
12:22	42.0	45.7	-
12:23	40.0	42.0	-
12:24	41.0	41.6	-
12:25	41.0	41.6	-
12:26	41.3	41.6	-
12:27	41.0	41.6	-
12:28	40.8	41.6	-
12:29	40.6	41.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
12:30	39.8	41.6	-
12:31	39.0	41.5	-
12:32	42.0	41.2	-
12:33	55.8	41.9	-
12:34	42.8	42.0	-
12:35	41.0	42.0	-
12:36	42.5	42.0	-
12:37	44.3	42.2	-
12:38	66.3	43.9	-
12:39	70.8	45.9	-
12:40	44.0	46.1	-
12:41	65.3	47.7	-
12:42	67.3	49.5	-
12:43	61.8	50.9	-
12:44	49.3	51.4	-
12:45	66.8	53.2	-
12:46	73.0	55.5	-
12:47	42.8	55.6	-
12:48	46.5	54.9	-
12:49	72.3	56.9	-
12:50	87.5	60.0	-
12:51	47.0	60.3	-
12:52	54.5	61.0	-
12:53	70.5	61.3	-
12:54	52.8	60.1	-
12:55	88.3	63.0	-
12:56	59.5	62.6	-
12:57	67.8	62.7	-
12:58	63.0	62.8	-
12:59	41.0	62.2	-
13:00	68.0	62.3	-
13:01	76.3	62.5	-
13:02	73.3	64.5	-
13:03	44.3	64.4	-
13:04	54.5	63.2	-
13:05	93.8	63.6	-
13:06	113.8	68.1	-
13:07	56.0	68.2	-
13:08	71.0	68.2	-
13:09	77.3	69.8	-
13:10	71.8	68.7	-
13:11	50.8	68.2	-
13:12	154.3	73.9	-
13:13	167.0	80.9	-
13:14	161.8	88.9	-
13:15	66.0	88.8	-
13:16	96.3	90.1	-
13:17	86.0	91.0	-
13:18	75.3	93.0	-
13:19	44.8	92.4	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
13:20	85.3	91.8	-
13:21	116.3	92.0	-
13:22	72.8	93.1	-
13:23	171.5	99.8	-
13:24	67.8	99.2	-
13:25	50.8	97.8	-
13:26	61.8	98.5	-
13:27	153.3	98.4	-
13:28	111.5	94.7	-
13:29	50.3	87.3	-
13:30	79.5	88.2	-
13:31	123.0	90.0	-
13:32	118.0	92.1	-
13:33	46.3	90.2	-
13:34	55.3	90.9	-
13:35	58.3	89.1	-
13:36	42.8	84.2	-
13:37	43.0	82.2	-
13:38	55.6	74.5	-
13:39	52.3	73.4	-
13:40	46.0	73.1	-
13:41	47.5	72.2	-
13:42	53.5	65.5	-
13:43	76.8	63.2	-
13:44	121.5	67.9	-
13:45	92.8	68.8	-
13:46	74.3	65.6	-
13:47	89.3	63.7	-
13:48	64.3	64.9	-
13:49	43.8	64.1	-
13:50	49.3	63.5	-
13:51	76.0	65.7	-
13:52	70.8	67.6	-
13:53	54.8	67.5	-
13:54	58.0	67.9	-
13:55	57.3	68.6	-
13:56	104.3	72.4	-
13:57	115.3	76.5	-
13:58	47.5	74.6	-
13:59	44.5	69.5	-
14:00	43.8	66.2	-
14:01	40.3	63.9	-
14:02	38.8	60.6	-
14:03	44.0	59.2	-
14:04	41.8	59.1	-
14:05	44.0	58.7	-
14:06	43.5	56.6	-
14:07	43.3	54.7	-
14:08	47.5	54.2	-
14:09	39.5	53.0	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
14:10	80.0	54.5	-
14:11	66.8	52.0	-
14:12	54.3	48.0	-
14:13	99.8	51.4	-
14:14	54.0	52.1	-
14:15	46.5	52.3	-
14:16	42.3	52.4	-
14:17	42.3	52.6	-
14:18	40.3	52.4	-
14:19	42.5	52.4	-
14:20	44.0	52.4	-
14:21	42.0	52.3	-
14:22	42.8	52.3	-
14:23	40.5	51.8	-
14:24	40.0	51.9	-
14:25	48.3	49.7	-
14:26	113.0	52.8	-
14:27	49.3	52.5	-
14:28	50.5	49.2	-
14:29	90.5	51.6	-
14:30	47.8	51.7	-
14:31	43.3	51.8	-
14:32	48.3	52.2	-
14:33	45.3	52.5	-
14:34	40.8	52.4	-
14:35	38.5	52.0	-
14:36	41.3	52.0	-
14:37	50.3	52.5	-
14:38	63.3	54.0	-
14:39	53.5	54.9	-
14:40	41.8	54.5	-
14:41	64.0	51.2	-
14:42	89.5	53.9	-
14:43	59.3	54.5	-
14:44	111.6	55.9	-
14:45	91.8	58.8	-
14:46	61.3	60.0	-
14:47	49.0	60.1	-
14:48	41.0	59.8	-
14:49	48.0	60.3	-
14:50	50.0	61.0	-
14:51	84.0	63.9	-
14:52	77.5	65.7	-
14:53	58.8	65.4	-
14:54	47.8	65.0	-
14:55	67.8	66.7	-
14:56	65.3	66.8	-
14:57	104.3	67.8	-
14:58	62.5	68.0	-
14:59	72.5	65.4	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:00	74.0	64.2	-
15:01	68.3	64.7	-
15:02	61.3	65.5	-
15:03	50.3	66.1	-
15:04	55.8	66.7	-
15:05	56.5	67.1	-
15:06	61.5	65.6	-
15:07	54.0	64.0	-
15:08	48.5	63.3	-
15:09	49.3	63.4	-
15:10	56.3	62.7	-
15:11	62.8	62.5	-
15:12	64.8	59.9	-
15:13	59.0	59.6	-
15:14	44.5	57.8	-
15:15	50.0	56.2	-
15:16	61.0	55.7	-
15:17	49.0	54.9	-
15:18	48.0	54.7	-
15:19	45.8	54.1	-
15:20	54.0	53.9	-
15:21	75.0	54.8	-
15:22	50.3	54.5	-
15:23	50.3	54.7	-
15:24	45.5	54.4	-
15:25	45.5	53.7	-
15:26	57.8	53.4	-
15:27	53.3	52.6	-
15:28	49.3	51.9	-
15:29	61.8	53.1	-
15:30	48.5	53.0	-
15:31	149.0	58.9	-
15:32	217.5	70.1	-
15:33	76.5	72.0	-
15:34	48.3	72.2	-
15:35	46.3	71.6	-
15:36	57.0	70.4	-
15:37	54.0	70.7	-
15:38	56.0	71.1	-
15:39	69.8	72.7	-
15:40	44.8	72.6	-
15:41	49.5	72.1	-
15:42	57.5	72.4	-
15:43	61.5	73.2	-
15:44	50.5	72.4	-
15:45	53.8	72.8	-
15:46	54.5	66.5	-
15:47	48.8	55.2	-
15:48	48.5	53.4	-
15:49	51.8	53.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
15:50	64.3	54.8	-
15:51	56.3	54.8	-
15:52	49.5	54.5	-
15:53	48.5	54.0	-
15:54	47.4	52.5	-
15:55	64.4	53.8	-
15:56	64.6	54.8	-
15:57	57.8	54.8	-
15:58	53.5	54.3	-
15:59	48.0	54.1	-
16:00	52.5	54.0	-
16:01	53.3	53.9	-
16:02	55.8	54.4	-
16:03	53.3	54.7	-
16:04	52.3	54.7	-
16:05	50.3	53.8	-
16:06	53.0	53.6	-
16:07	51.5	53.7	-
16:08	50.8	53.9	-
16:09	55.3	54.4	-
16:10	56.0	53.8	-
16:11	50.5	52.9	-
16:12	52.5	52.6	-
16:13	50.8	52.4	-
16:14	51.0	52.6	-
16:15	50.5	52.4	-
16:16	50.0	52.2	-
16:17	124.8	56.8	-
16:18	164.3	64.2	-
16:19	146.0	70.5	-
16:20	76.0	72.2	-
16:21	60.0	72.7	-
16:22	56.8	73.0	-
16:23	58.0	73.5	-
16:24	76.3	74.9	-
16:25	71.8	75.9	-
16:26	48.0	75.8	-
16:27	55.3	76.0	-
16:28	50.0	75.9	-
16:29	61.0	76.6	-
16:30	82.0	78.7	-
16:31	57.3	79.2	-
16:32	61.0	74.9	-
16:33	104.3	70.9	-
16:34	95.8	67.6	-
16:35	57.5	66.3	-
16:36	46.3	65.4	-
16:37	54.5	65.3	-
16:38	49.5	64.7	-
16:39	45.3	62.6	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
16:40	44.8	60.8	-
16:41	55.5	61.3	-
16:42	54.5	61.3	-
16:43	60.0	61.9	-
16:44	53.3	61.4	-
16:45	47.3	59.1	-
16:46	54.5	58.9	-
16:47	61.3	58.9	-
16:48	50.0	55.3	-
16:49	51.0	52.3	-
16:50	51.0	51.9	-
16:51	73.3	53.7	-
16:52	47.0	53.2	-
16:53	47.0	53.0	-
16:54	53.3	53.6	-
16:55	44.5	53.6	-
16:56	44.5	52.8	-
16:57	44.8	52.2	-
16:58	44.8	51.2	-
16:59	42.0	50.4	-
17:00	60.3	51.3	-
17:01	67.5	52.1	-
17:02	115.0	55.7	-
17:03	157.3	62.9	-
17:04	78.8	64.7	-
17:05	71.2	66.1	-
17:06	52.2	64.7	-
17:07	42.6	64.4	-
17:08	38.8	63.8	-
17:09	39.0	62.9	-
17:10	48.0	63.1	-
17:11	47.0	63.3	-
17:12	70.8	65.0	-
17:13	49.3	65.3	-
17:14	101.3	69.3	-
17:15	129.5	73.9	-
17:16	60.3	73.4	-
17:17	42.3	68.5	-
17:18	42.8	60.9	-
17:19	43.0	58.5	-
17:20	44.5	56.7	-
17:21	43.0	56.1	-
17:22	39.3	55.9	-
17:23	40.5	56.0	-
17:24	37.5	55.9	-
17:25	36.5	55.2	-
17:26	35.5	54.4	-
17:27	36.8	52.1	-
17:28	35.3	51.2	-
17:29	36.5	46.9	-

PARTICULATE DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ug/m^3)	15-Min Avg Concentration (ug/m^3)	
17:30	36.0	40.6	-
17:31	40.0	39.3	-
17:32	39.5	39.1	-
17:33	37.8	38.8	-
17:34	36.5	38.3	-
17:35	38.8	38.0	-
17:36	41.3	37.8	-
17:37	37.0	37.7	-
17:38	34.3	37.3	-
17:39	33.0	37.0	-
17:40	34.3	36.8	-
17:41	35.5	36.8	-
17:42	36.3	36.8	-
17:43	34.8	36.8	-
17:44	34.5	36.6	-
17:45	34.0	36.5	-
17:46	-	-	-

Thursday, July 28, 2022			
Number of Instances Where Downwind VOCs Exceeds 5 =			0
Start Time:			7:06
End Time:			17:45
PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
6:45	-	-	-
6:46	-	-	-
6:47	-	-	-
6:48	-	-	-
6:49	-	-	-
6:50	-	-	-
6:51	-	-	-
6:52	-	-	-
6:53	-	-	-
6:54	-	-	-
6:55	-	-	-
6:56	-	-	-
6:57	-	-	-
6:58	-	-	-
6:59	-	-	-
7:00	-	-	-
7:01	-	-	-
7:02	-	-	-
7:03	-	-	-
7:04	-	-	-
7:05	-	-	-
7:06	0.0	-	-
7:07	0.0	-	-
7:08	0.0	-	-
7:09	0.0	-	-
7:10	0.0	-	-
7:11	0.0	-	-
7:12	0.0	-	-
7:13	0.0	-	-
7:14	0.0	-	-
7:15	0.0	-	-
7:16	0.0	-	-
7:17	0.0	-	-
7:18	0.0	-	-
7:19	0.0	-	-
7:20	0.0	-	-
7:21	0.0	0.0	-
7:22	0.0	0.0	-
7:23	0.0	0.0	-
7:24	0.0	0.0	-
7:25	0.0	0.0	-
7:26	0.0	0.0	-
7:27	0.0	0.0	-
7:28	0.0	0.0	-
7:29	0.0	0.0	-
7:30	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
7:31	0.0	0.0	-
7:32	0.0	0.0	-
7:33	0.0	0.0	-
7:34	0.0	0.0	-
7:35	0.0	0.0	-
7:36	0.0	0.0	-
7:37	0.0	0.0	-
7:38	0.0	0.0	-
7:39	0.0	0.0	-
7:40	0.0	0.0	-
7:41	0.0	0.0	-
7:42	0.0	0.0	-
7:43	0.0	0.0	-
7:44	0.0	0.0	-
7:45	0.0	0.0	-
7:46	0.0	0.0	-
7:47	0.0	0.0	-
7:48	0.0	0.0	-
7:49	0.0	0.0	-
7:50	0.0	0.0	-
7:51	0.0	0.0	-
7:52	0.0	0.0	-
7:53	0.0	0.0	-
7:54	0.0	0.0	-
7:55	0.0	0.0	-
7:56	0.0	0.0	-
7:57	0.0	0.0	-
7:58	0.0	0.0	-
7:59	0.0	0.0	-
8:00	0.0	0.0	-
8:01	0.0	0.0	-
8:02	0.0	0.0	-
8:03	0.0	0.0	-
8:04	0.0	0.0	-
8:05	0.0	0.0	-
8:06	0.0	0.0	-
8:07	0.0	0.0	-
8:08	0.0	0.0	-
8:09	0.0	0.0	-
8:10	0.0	0.0	-
8:11	0.0	0.0	-
8:12	0.0	0.0	-
8:13	0.0	0.0	-
8:14	0.0	0.0	-
8:15	0.0	0.0	-
8:16	0.0	0.0	-
8:17	0.0	0.0	-
8:18	0.0	0.0	-
8:19	0.0	0.0	-
8:20	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:21	0.0	0.0	-
8:22	0.0	0.0	-
8:23	0.0	0.0	-
8:24	0.0	0.0	-
8:25	0.0	0.0	-
8:26	0.0	0.0	-
8:27	0.0	0.0	-
8:28	0.0	0.0	-
8:29	0.0	0.0	-
8:30	0.0	0.0	-
8:31	0.0	0.0	-
8:32	0.0	0.0	-
8:33	0.0	0.0	-
8:34	0.0	0.0	-
8:35	0.0	0.0	-
8:36	0.0	0.0	-
8:37	0.0	0.0	-
8:38	0.0	0.0	-
8:39	0.0	0.0	-
8:40	0.0	0.0	-
8:41	0.0	0.0	-
8:42	0.0	0.0	-
8:43	0.0	0.0	-
8:44	0.0	0.0	-
8:45	0.0	0.0	-
8:46	0.0	0.0	-
8:47	0.0	0.0	-
8:48	0.0	0.0	-
8:49	0.0	0.0	-
8:50	0.0	0.0	-
8:51	0.0	0.0	-
8:52	0.0	0.0	-
8:53	0.0	0.0	-
8:54	0.0	0.0	-
8:55	0.0	0.0	-
8:56	0.0	0.0	-
8:57	0.0	0.0	-
8:58	0.0	0.0	-
8:59	0.0	0.0	-
9:00	0.0	0.0	-
9:01	0.0	0.0	-
9:02	0.0	0.0	-
9:03	0.0	0.0	-
9:04	0.0	0.0	-
9:05	0.0	0.0	-
9:06	0.0	0.0	-
9:07	0.0	0.0	-
9:08	0.0	0.0	-
9:09	0.0	0.0	-
9:10	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
9:11	0.0	0.0	-
9:12	0.0	0.0	-
9:13	0.0	0.0	-
9:14	0.0	0.0	-
9:15	0.0	0.0	-
9:16	0.0	0.0	-
9:17	0.0	0.0	-
9:18	0.0	0.0	-
9:19	0.0	0.0	-
9:20	0.0	0.0	-
9:21	0.0	0.0	-
9:22	0.0	0.0	-
9:23	0.0	0.0	-
9:24	0.0	0.0	-
9:25	0.0	0.0	-
9:26	0.0	0.0	-
9:27	0.0	0.0	-
9:28	0.0	0.0	-
9:29	0.0	0.0	-
9:30	0.0	0.0	-
9:31	0.0	0.0	-
9:32	0.0	0.0	-
9:33	0.0	0.0	-
9:34	0.0	0.0	-
9:35	0.0	0.0	-
9:36	0.0	0.0	-
9:37	0.0	0.0	-
9:38	0.0	0.0	-
9:39	0.0	0.0	-
9:40	0.0	0.0	-
9:41	0.0	0.0	-
9:42	0.0	0.0	-
9:43	0.0	0.0	-
9:44	0.0	0.0	-
9:45	0.0	0.0	-
9:46	0.0	0.0	-
9:47	0.0	0.0	-
9:48	0.0	0.0	-
9:49	0.0	0.0	-
9:50	0.0	0.0	-
9:51	0.0	0.0	-
9:52	0.0	0.0	-
9:53	0.0	0.0	-
9:54	0.0	0.0	-
9:55	0.0	0.0	-
9:56	0.0	0.0	-
9:57	0.0	0.0	-
9:58	0.0	0.0	-
9:59	0.0	0.0	-
10:00	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:01	0.0	0.0	-
10:02	0.0	0.0	-
10:03	0.0	0.0	-
10:04	0.0	0.0	-
10:05	0.0	0.0	-
10:06	0.0	0.0	-
10:07	0.0	0.0	-
10:08	0.0	0.0	-
10:09	0.0	0.0	-
10:10	0.0	0.0	-
10:11	0.0	0.0	-
10:12	0.0	0.0	-
10:13	0.0	0.0	-
10:14	0.0	0.0	-
10:15	0.0	0.0	-
10:16	0.0	0.0	-
10:17	0.0	0.0	-
10:18	0.0	0.0	-
10:19	0.0	0.0	-
10:20	0.0	0.0	-
10:21	0.0	0.0	-
10:22	0.0	0.0	-
10:23	0.0	0.0	-
10:24	0.0	0.0	-
10:25	0.0	0.0	-
10:26	0.0	0.0	-
10:27	0.0	0.0	-
10:28	0.0	0.0	-
10:29	0.0	0.0	-
10:30	0.0	0.0	-
10:31	0.0	0.0	-
10:32	0.0	0.0	-
10:33	0.0	0.0	-
10:34	0.0	0.0	-
10:35	0.0	0.0	-
10:36	0.0	0.0	-
10:37	0.0	0.0	-
10:38	0.0	0.0	-
10:39	0.0	0.0	-
10:40	0.0	0.0	-
10:41	0.0	0.0	-
10:42	0.0	0.0	-
10:43	0.0	0.0	-
10:44	0.0	0.0	-
10:45	0.0	0.0	-
10:46	0.0	0.0	-
10:47	0.0	0.0	-
10:48	0.0	0.0	-
10:49	0.0	0.0	-
10:50	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
10:51	0.0	0.0	-
10:52	0.0	0.0	-
10:53	0.0	0.0	-
10:54	0.0	0.0	-
10:55	0.0	0.0	-
10:56	0.0	0.0	-
10:57	0.0	0.0	-
10:58	0.0	0.0	-
10:59	0.0	0.0	-
11:00	0.0	0.0	-
11:01	0.0	0.0	-
11:02	0.0	0.0	-
11:03	0.0	0.0	-
11:04	0.0	0.0	-
11:05	0.0	0.0	-
11:06	0.0	0.0	-
11:07	0.0	0.0	-
11:08	0.0	0.0	-
11:09	0.0	0.0	-
11:10	0.0	0.0	-
11:11	0.0	0.0	-
11:12	0.0	0.0	-
11:13	0.0	0.0	-
11:14	0.0	0.0	-
11:15	0.0	0.0	-
11:16	0.0	0.0	-
11:17	0.0	0.0	-
11:18	0.0	0.0	-
11:19	0.0	0.0	-
11:20	0.0	0.0	-
11:21	0.0	0.0	-
11:22	0.0	0.0	-
11:23	0.0	0.0	-
11:24	0.0	0.0	-
11:25	0.0	0.0	-
11:26	0.0	0.0	-
11:27	0.0	0.0	-
11:28	0.0	0.0	-
11:29	0.0	0.0	-
11:30	0.0	0.0	-
11:31	0.0	0.0	-
11:32	0.0	0.0	-
11:33	0.0	0.0	-
11:34	0.0	0.0	-
11:35	0.0	0.0	-
11:36	0.0	0.0	-
11:37	0.0	0.0	-
11:38	0.0	0.0	-
11:39	0.0	0.0	-
11:40	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
11:41	0.0	0.0	-
11:42	0.0	0.0	-
11:43	0.0	0.0	-
11:44	0.0	0.0	-
11:45	0.0	0.0	-
11:46	0.0	0.0	-
11:47	0.0	0.0	-
11:48	0.0	0.0	-
11:49	0.0	0.0	-
11:50	0.0	0.0	-
11:51	0.0	0.0	-
11:52	0.0	0.0	-
11:53	0.0	0.0	-
11:54	0.0	0.0	-
11:55	0.0	0.0	-
11:56	0.0	0.0	-
11:57	0.0	0.0	-
11:58	0.0	0.0	-
11:59	0.0	0.0	-
12:00	0.0	0.0	-
12:01	0.0	0.0	-
12:02	0.0	0.0	-
12:03	0.0	0.0	-
12:04	0.0	0.0	-
12:05	0.0	0.0	-
12:06	0.0	0.0	-
12:07	0.0	0.0	-
12:08	0.0	0.0	-
12:09	0.0	0.0	-
12:10	0.0	0.0	-
12:11	0.0	0.0	-
12:12	0.0	0.0	-
12:13	0.0	0.0	-
12:14	0.0	0.0	-
12:15	0.0	0.0	-
12:16	0.0	0.0	-
12:17	0.0	0.0	-
12:18	0.0	0.0	-
12:19	0.0	0.0	-
12:20	0.0	0.0	-
12:21	0.0	0.0	-
12:22	0.0	0.0	-
12:23	0.0	0.0	-
12:24	0.0	0.0	-
12:25	0.0	0.0	-
12:26	0.0	0.0	-
12:27	0.0	0.0	-
12:28	0.0	0.0	-
12:29	0.0	0.0	-
12:30	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
12:31	0.0	0.0	-
12:32	0.0	0.0	-
12:33	0.0	0.0	-
12:34	0.0	0.0	-
12:35	0.0	0.0	-
12:36	0.0	0.0	-
12:37	0.0	0.0	-
12:38	0.0	0.0	-
12:39	0.0	0.0	-
12:40	0.0	0.0	-
12:41	0.0	0.0	-
12:42	0.0	0.0	-
12:43	0.0	0.0	-
12:44	0.0	0.0	-
12:45	0.0	0.0	-
12:46	0.0	0.0	-
12:47	0.0	0.0	-
12:48	0.0	0.0	-
12:49	0.0	0.0	-
12:50	0.0	0.0	-
12:51	0.0	0.0	-
12:52	0.0	0.0	-
12:53	0.0	0.0	-
12:54	0.0	0.0	-
12:55	0.0	0.0	-
12:56	0.0	0.0	-
12:57	0.0	0.0	-
12:58	0.0	0.0	-
12:59	0.0	0.0	-
13:00	0.0	0.0	-
13:01	0.0	0.0	-
13:02	0.0	0.0	-
13:03	0.0	0.0	-
13:04	0.0	0.0	-
13:05	0.0	0.0	-
13:06	0.0	0.0	-
13:07	0.0	0.0	-
13:08	0.0	0.0	-
13:09	0.0	0.0	-
13:10	0.0	0.0	-
13:11	0.0	0.0	-
13:12	0.0	0.0	-
13:13	0.0	0.0	-
13:14	0.0	0.0	-
13:15	0.0	0.0	-
13:16	0.0	0.0	-
13:17	0.0	0.0	-
13:18	0.0	0.0	-
13:19	0.0	0.0	-
13:20	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
13:21	0.0	0.0	-
13:22	0.0	0.0	-
13:23	0.0	0.0	-
13:24	0.0	0.0	-
13:25	0.0	0.0	-
13:26	0.0	0.0	-
13:27	0.0	0.0	-
13:28	0.0	0.0	-
13:29	0.0	0.0	-
13:30	0.0	0.0	-
13:31	0.0	0.0	-
13:32	0.0	0.0	-
13:33	0.0	0.0	-
13:34	0.0	0.0	-
13:35	0.0	0.0	-
13:36	0.0	0.0	-
13:37	0.0	0.0	-
13:38	0.0	0.0	-
13:39	0.0	0.0	-
13:40	0.0	0.0	-
13:41	0.0	0.0	-
13:42	0.0	0.0	-
13:43	0.0	0.0	-
13:44	0.0	0.0	-
13:45	0.0	0.0	-
13:46	0.0	0.0	-
13:47	0.0	0.0	-
13:48	0.0	0.0	-
13:49	0.0	0.0	-
13:50	0.0	0.0	-
13:51	0.0	0.0	-
13:52	0.0	0.0	-
13:53	0.0	0.0	-
13:54	0.0	0.0	-
13:55	0.0	0.0	-
13:56	0.0	0.0	-
13:57	0.0	0.0	-
13:58	0.0	0.0	-
13:59	0.0	0.0	-
14:00	0.0	0.0	-
14:01	0.0	0.0	-
14:02	0.0	0.0	-
14:03	0.0	0.0	-
14:04	0.0	0.0	-
14:05	0.0	0.0	-
14:06	0.0	0.0	-
14:07	0.0	0.0	-
14:08	0.0	0.0	-
14:09	0.0	0.0	-
14:10	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
14:11	0.0	0.0	-
14:12	0.0	0.0	-
14:13	0.0	0.0	-
14:14	0.0	0.0	-
14:15	0.0	0.0	-
14:16	0.0	0.0	-
14:17	0.0	0.0	-
14:18	0.0	0.0	-
14:19	0.0	0.0	-
14:20	0.0	0.0	-
14:21	0.0	0.0	-
14:22	0.0	0.0	-
14:23	0.0	0.0	-
14:24	0.0	0.0	-
14:25	0.0	0.0	-
14:26	0.0	0.0	-
14:27	0.0	0.0	-
14:28	0.0	0.0	-
14:29	0.0	0.0	-
14:30	0.0	0.0	-
14:31	0.0	0.0	-
14:32	0.0	0.0	-
14:33	0.0	0.0	-
14:34	0.0	0.0	-
14:35	0.0	0.0	-
14:36	0.0	0.0	-
14:37	0.0	0.0	-
14:38	0.0	0.0	-
14:39	0.0	0.0	-
14:40	0.0	0.0	-
14:41	0.0	0.0	-
14:42	0.0	0.0	-
14:43	0.0	0.0	-
14:44	0.0	0.0	-
14:45	0.0	0.0	-
14:46	0.0	0.0	-
14:47	0.0	0.0	-
14:48	0.0	0.0	-
14:49	0.0	0.0	-
14:50	0.0	0.0	-
14:51	0.0	0.0	-
14:52	0.0	0.0	-
14:53	0.0	0.0	-
14:54	0.0	0.0	-
14:55	0.0	0.0	-
14:56	0.0	0.0	-
14:57	0.0	0.0	-
14:58	0.0	0.0	-
14:59	0.0	0.0	-
15:00	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:01	0.0	0.0	-
15:02	0.0	0.0	-
15:03	0.0	0.0	-
15:04	0.0	0.0	-
15:05	0.0	0.0	-
15:06	0.0	0.0	-
15:07	0.0	0.0	-
15:08	0.0	0.0	-
15:09	0.0	0.0	-
15:10	0.0	0.0	-
15:11	0.0	0.0	-
15:12	0.0	0.0	-
15:13	0.0	0.0	-
15:14	0.0	0.0	-
15:15	0.0	0.0	-
15:16	0.0	0.0	-
15:17	0.0	0.0	-
15:18	0.0	0.0	-
15:19	0.0	0.0	-
15:20	0.0	0.0	-
15:21	0.0	0.0	-
15:22	0.0	0.0	-
15:23	0.0	0.0	-
15:24	0.0	0.0	-
15:25	0.0	0.0	-
15:26	0.0	0.0	-
15:27	0.0	0.0	-
15:28	0.0	0.0	-
15:29	0.0	0.0	-
15:30	0.0	0.0	-
15:31	0.0	0.0	-
15:32	0.0	0.0	-
15:33	0.0	0.0	-
15:34	0.0	0.0	-
15:35	0.0	0.0	-
15:36	0.0	0.0	-
15:37	0.0	0.0	-
15:38	0.0	0.0	-
15:39	0.0	0.0	-
15:40	0.0	0.0	-
15:41	0.0	0.0	-
15:42	0.0	0.0	-
15:43	0.0	0.0	-
15:44	0.0	0.0	-
15:45	0.0	0.0	-
15:46	0.0	0.0	-
15:47	0.0	0.0	-
15:48	0.0	0.0	-
15:49	0.0	0.0	-
15:50	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
15:51	0.0	0.0	-
15:52	0.0	0.0	-
15:53	0.0	0.0	-
15:54	0.0	0.0	-
15:55	0.0	0.0	-
15:56	0.0	0.0	-
15:57	0.0	0.0	-
15:58	0.0	0.0	-
15:59	0.0	0.0	-
16:00	0.0	0.0	-
16:01	0.0	0.0	-
16:02	0.0	0.0	-
16:03	0.0	0.0	-
16:04	0.0	0.0	-
16:05	0.0	0.0	-
16:06	0.0	0.0	-
16:07	0.0	0.0	-
16:08	0.0	0.0	-
16:09	0.0	0.0	-
16:10	0.0	0.0	-
16:11	0.0	0.0	-
16:12	0.0	0.0	-
16:13	0.0	0.0	-
16:14	0.0	0.0	-
16:15	0.0	0.0	-
16:16	0.0	0.0	-
16:17	0.0	0.0	-
16:18	0.0	0.0	-
16:19	0.0	0.0	-
16:20	0.0	0.0	-
16:21	0.0	0.0	-
16:22	0.0	0.0	-
16:23	0.0	0.0	-
16:24	0.0	0.0	-
16:25	0.0	0.0	-
16:26	0.0	0.0	-
16:27	0.0	0.0	-
16:28	0.0	0.0	-
16:29	0.0	0.0	-
16:30	0.0	0.0	-
16:31	0.0	0.0	-
16:32	0.0	0.0	-
16:33	0.0	0.0	-
16:34	0.0	0.0	-
16:35	0.0	0.0	-
16:36	0.0	0.0	-
16:37	0.0	0.0	-
16:38	0.0	0.0	-
16:39	0.0	0.0	-
16:40	0.0	0.0	-

PID DATA			
Downwind			
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
16:41	0.0	0.0	-
16:42	0.0	0.0	-
16:43	0.0	0.0	-
16:44	0.0	0.0	-
16:45	0.0	0.0	-
16:46	0.0	0.0	-
16:47	0.0	0.0	-
16:48	0.0	0.0	-
16:49	0.0	0.0	-
16:50	0.0	0.0	-
16:51	0.0	0.0	-
16:52	0.0	0.0	-
16:53	0.0	0.0	-
16:54	0.0	0.0	-
16:55	0.0	0.0	-
16:56	0.0	0.0	-
16:57	0.0	0.0	-
16:58	0.0	0.0	-
16:59	0.0	0.0	-
17:00	0.0	0.0	-
17:01	0.0	0.0	-
17:02	0.0	0.0	-
17:03	0.0	0.0	-
17:04	0.0	0.0	-
17:05	0.0	0.0	-
17:06	0.0	0.0	-
17:07	0.0	0.0	-
17:08	0.0	0.0	-
17:09	0.0	0.0	-
17:10	0.0	0.0	-
17:11	0.0	0.0	-
17:12	0.0	0.0	-
17:13	0.0	0.0	-
17:14	0.0	0.0	-
17:15	0.0	0.0	-
17:16	0.0	0.0	-
17:17	0.0	0.0	-
17:18	0.0	0.0	-
17:19	0.0	0.0	-
17:20	0.0	0.0	-
17:21	0.0	0.0	-
17:22	0.0	0.0	-
17:23	0.0	0.0	-
17:24	0.0	0.0	-
17:25	0.0	0.0	-
17:26	0.0	0.0	-
17:27	0.0	0.0	-
17:28	0.0	0.0	-
17:29	0.0	0.0	-
17:30	0.0	0.0	-

PID DATA			
Downwind			Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
17:31	0.0	0.0	-
17:32	0.0	0.0	-
17:33	0.0	0.0	-
17:34	0.0	0.0	-
17:35	0.0	0.0	-
17:36	0.0	0.0	-
17:37	0.0	0.0	-
17:38	0.0	0.0	-
17:39	0.0	0.0	-
17:40	0.0	0.0	-
17:41	0.0	0.0	-
17:42	0.0	0.0	-
17:43	0.0	0.0	-
17:44	0.0	0.0	-
17:45	0.0	0.0	-
17:46	-	-	-

APPENDIX M

Laboratory Data Reports

LANGAN

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 07/06/2022
Client Project ID: 100766601
York Project (SDG) No.: 22F1254

Report Date: 07/06/2022
Client Project ID: 100766601
York Project (SDG) No.: 22F1254

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 23, 2022 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

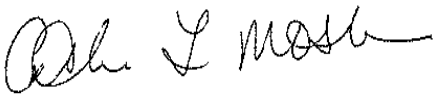
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22F1254-01	303_LMW-35	Water	06/23/2022	06/23/2022
22F1254-02	304_LMW-36	Water	06/23/2022	06/23/2022
22F1254-03	305_LMW-37	Water	06/23/2022	06/23/2022
22F1254-04	308_LMW-40	Water	06/23/2022	06/23/2022
22F1254-05	309_LMW-41	Water	06/23/2022	06/23/2022
22F1254-06	310_LMW-42	Water	06/23/2022	06/23/2022
22F1254-07	311_LMW-43	Water	06/23/2022	06/23/2022
22F1254-08	312_LMW-44	Water	06/23/2022	06/23/2022
22F1254-09	313_20220623_FB	Water	06/23/2022	06/23/2022
22F1254-10	314_20220623_TB	Water	06/23/2022	06/23/2022
22F1254-11	315_LMW-46	Water	06/23/2022	06/23/2022

General Notes for York Project (SDG) No.: 22F1254

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 07/06/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 303_LMW-35 **York Sample ID:** 22F1254-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.61**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 303_LMW-35 **York Sample ID:** 22F1254-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**13**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 303_LMW-35 **York Sample ID:** 22F1254-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**26**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**2.1**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.64**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**5.2**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**10**		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.95**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 303_LMW-35 **York Sample ID:** 22F1254-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**16**		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:53	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*84.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*91.3 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**140**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:33	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:33	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:33	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.10**		mg/L	0.278	1	EPA 6010D	06/30/2022 12:11	07/01/2022 12:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.388**		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.359**		mg/L	0.00556	1	EPA 6010D	06/30/2022 12:11	07/01/2022 12:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 303_LMW-35 **York Sample ID:** 22F1254-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.353**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**349**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 02:45	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 06:07	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 06:07	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**162**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 02:45	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**530**		mg/L	2.0	1	SM 2320B	06/28/2022 07:55	06/28/2022 16:22	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 303_LMW-35 **York Sample ID:** 22F1254-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1610**		mg/L	10.0	1	SM 2540C-2015	06/28/2022 08:36	06/28/2022 08:36	AD
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**14.5**		mg/L	1.0	1	SM 5310B	07/01/2022 09:49	07/01/2022 09:49	PHO
							Certifications:			

Sample Information

Client Sample ID: 304_LMW-36 **York Sample ID:** 22F1254-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 304_LMW-36 **York Sample ID:** 22F1254-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**18**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**97**		ug/L	1.0	2.5	5	EPA 8260C	06/30/2022 09:00	06/30/2022 13:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**0.99**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 304_LMW-36 **York Sample ID:** 22F1254-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 304_LMW-36 **York Sample ID:** 22F1254-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**270**		ug/L	1.0	2.5	5	EPA 8260C	06/30/2022 09:00	06/30/2022 13:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:20	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*86.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.6 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**1100**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:41	RB
							Certifications:			
74-84-0	*** Ethane**	**8.7**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:41	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:41	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**23.2**		mg/L	0.278	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.642**		mg/L	0.00556	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 304_LMW-36 **York Sample ID:** 22F1254-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:00 am	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.506**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**524**		mg/L	10.0	20	EPA 300.0	06/29/2022 14:48	06/30/2022 14:20	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 06:49	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 06:49	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**332**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 03:07	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**320**		mg/L	2.0	1	SM 2320B	06/28/2022 07:55	06/28/2022 16:22	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.4**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 304_LMW-36 **York Sample ID:** 22F1254-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:00 am	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1700**		mg/L	20.0	1	SM 2540C-2015	06/28/2022 08:36	06/28/2022 08:36	AD
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**49.7**		mg/L	5.0	5	SM 5310B	07/01/2022 10:04	07/01/2022 10:04	PHO
							Certifications:			

Sample Information

Client Sample ID: **305_LMW-37** **York Sample ID:** **22F1254-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.94**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 305_LMW-37 **York Sample ID:** 22F1254-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**23**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**17**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 305_LMW-37 **York Sample ID:** 22F1254-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**9.9**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.87**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**2.6**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**3.4**		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 305_LMW-37 **York Sample ID:** 22F1254-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**200**		ug/L	2.0	5.0	10	EPA 8260C	06/30/2022 09:00	06/30/2022 13:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**6.0**		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/29/2022 04:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*83.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.9 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* **Methane**	**970**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:49	RB
							Certifications:			
74-84-0	* **Ethane**	**8.1**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:49	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:49	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**9.04**		mg/L	0.278	1	EPA 6010D	06/29/2022 14:18	07/01/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.516**		mg/L	0.00556	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:37	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 305_LMW-37 **York Sample ID:** 22F1254-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.517**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**484**		mg/L	10.0	20	EPA 300.0	06/29/2022 14:48	06/30/2022 14:41	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 05:04	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 05:04	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**325**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 03:28	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**360**		mg/L	2.0	1	SM 2320B	06/28/2022 07:55	06/28/2022 16:22	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.1**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 305_LMW-37 **York Sample ID:** 22F1254-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 9:00 am	06/23/2022

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1540**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.8**		mg/L	1.0	1	SM 5310B	07/01/2022 10:19	07/01/2022 10:19	PHO
							Certifications:			

Sample Information

Client Sample ID: 308_LMW-40 **York Sample ID:** 22F1254-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:50 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**2.7**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 308_LMW-40 **York Sample ID:** 22F1254-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:50 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**4.3**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.39**	J, B	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	**Chloroethane**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**2.2**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 308_LMW-40 **York Sample ID:** 22F1254-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:50 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**6.2**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1.3**		ug/L	0.50	1.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 308_LMW-40 **York Sample ID:** 22F1254-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:50 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**69**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**2.4**		ug/L	0.60	1.5	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.1 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**710**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:57	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:57	RB
							Certifications:			
74-85-1	*** Ethylene (Ethene)**	**8.7**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 10:57	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**15.1**		mg/L	0.278	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.779**		mg/L	0.00556	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 308_LMW-40 **York Sample ID:** 22F1254-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:50 pm	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.667**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**435**		mg/L	10.0	20	EPA 300.0	06/29/2022 14:48	06/30/2022 15:02	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 07:10	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 07:10	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**338**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 03:49	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**360**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 308_LMW-40 **York Sample ID:** 22F1254-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:50 pm	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1480**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**35.5**		mg/L	5.0	5	SM 5310B	07/01/2022 10:33	07/01/2022 10:33	PHO
							Certifications:			

Sample Information

Client Sample ID: 309_LMW-41 **York Sample ID:** 22F1254-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:20 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**8.1**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 309_LMW-41 **York Sample ID:** 22F1254-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:20 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.0**	J	ug/L	1.0	2.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**7.3**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.36**	J, B	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**6.3**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 309_LMW-41 **York Sample ID:** 22F1254-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:20 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**30**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**16**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**18**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**7.6**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**12**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**13**		ug/L	0.50	1.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.79**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 309_LMW-41 **York Sample ID:** 22F1254-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:20 am	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**25**		ug/L	0.60	1.5	1	EPA 8260C	06/29/2022 07:00	06/29/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.9 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**15000**		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:13	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:13	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:13	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**37.3**		mg/L	0.278	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.77**		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.839**		mg/L	0.00556	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 309_LMW-41 **York Sample ID:** 22F1254-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:20 am	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.821**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**226**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 04:10	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 07:31	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 07:31	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 04:10	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**540**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 309_LMW-41 **York Sample ID:** 22F1254-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 11:20 am	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**986**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6.8**		mg/L	1.0	1	SM 5310B	07/01/2022 10:47	07/01/2022 10:47	PHO
							Certifications:			

Sample Information

Client Sample ID: **310_LMW-42** **York Sample ID:** **22F1254-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 2:20 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**78**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**30**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 310_LMW-42 **York Sample ID:** 22F1254-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 2:20 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	**2-Hexanone**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**18**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.35**	B, J	ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**13**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 310_LMW-42 **York Sample ID:** 22F1254-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 2:20 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**450**		ug/L	20	50	100	EPA 8260C	07/01/2022 09:00	07/01/2022 14:14	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**69**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**35**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**39**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**150**		ug/L	1.0	2.5	5	EPA 8260C	07/01/2022 09:00	07/01/2022 14:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**120**		ug/L	0.50	1.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**5.2**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**5.6**		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 310_LMW-42 **York Sample ID:** 22F1254-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 2:20 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/29/2022 07:00	06/29/2022 14:04	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**270**		ug/L	3.0	7.5	5	EPA 8260C	07/01/2022 09:00	07/01/2022 14:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.2 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**11000**		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:23	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:23	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:23	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**30.9**		mg/L	0.278	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.19**		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.50**		mg/L	0.00556	1	EPA 6010D	06/30/2022 12:11	07/01/2022 13:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 310_LMW-42 **York Sample ID:** 22F1254-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 2:20 pm	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.42**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 12:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**340**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 04:31	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 08:36	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 08:36	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**46.2**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 04:31	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**420**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 310_LMW-42 **York Sample ID:** 22F1254-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 2:20 pm	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1070**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**21.1**		mg/L	5.0	5	SM 5310B	07/01/2022 11:01	07/01/2022 11:01	PHO
							Certifications:			

Sample Information

Client Sample ID: 311_LMW-43 **York Sample ID:** 22F1254-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 1:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**0.98**		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.94**		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 311_LMW-43 **York Sample ID:** 22F1254-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 1:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**3.1**		ug/L	1.0	2.0	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	**Chloroethane**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 311_LMW-43 **York Sample ID:** 22F1254-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 1:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.45**	J	ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 311_LMW-43 **York Sample ID:** 22F1254-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 1:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.73**	J	ug/L	0.60	1.5	1	EPA 8260C	07/01/2022 09:00	07/01/2022 15:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.5 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**5100**		ug/L	25	5	GC/Headspace	06/29/2022 10:22	06/29/2022 11:39	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	25	5	GC/Headspace	06/29/2022 10:22	06/29/2022 11:39	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	25	5	GC/Headspace	06/29/2022 10:22	06/29/2022 11:39	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**18.2**		mg/L	0.278	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.309**		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:09	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.59**		mg/L	0.00556	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 311_LMW-43 **York Sample ID:** 22F1254-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 1:30 pm	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.46**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:09	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**313**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 05:35	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 08:57	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 08:57	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**27.6**		mg/L	1.00	1	EPA 300.0	06/23/2022 17:46	06/24/2022 08:57	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**450**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 311_LMW-43 **York Sample ID:** 22F1254-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 1:30 pm	06/23/2022

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**922**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**10.6**		mg/L	1.0	1	SM 5310B	07/01/2022 11:15	07/01/2022 11:15	PHO
							Certifications:			

Sample Information

Client Sample ID: 312_LMW-44 **York Sample ID:** 22F1254-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.95**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 312_LMW-44 **York Sample ID:** 22F1254-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**6.9**		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	**Chloroethane**	**0.94**		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 312_LMW-44 **York Sample ID:** 22F1254-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 312_LMW-44 **York Sample ID:** 22F1254-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:30 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:57	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*87.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.1 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**14000**		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:49	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:49	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	10	GC/Headspace	06/29/2022 10:22	06/29/2022 11:49	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**14.7**		mg/L	0.278	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:43	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:12	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.26**		mg/L	0.00556	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:43	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 312_LMW-44 **York Sample ID:** 22F1254-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:30 pm	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.21**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:12	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**337**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 05:56	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:18	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:18	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**10.6**		mg/L	1.00	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:18	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**380**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.3**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 312_LMW-44 **York Sample ID:** 22F1254-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:30 pm	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**823**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**7.6**		mg/L	1.0	1	SM 5310B	07/01/2022 11:30	07/01/2022 11:30	PHO
							Certifications:			

Sample Information

Client Sample ID: 313_20220623_FB

York Sample ID: 22F1254-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 313_20220623_FB **York Sample ID:** 22F1254-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 313_20220623_FB

York Sample ID: 22F1254-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**7.0**		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 313_20220623_FB **York Sample ID:** 22F1254-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:30	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*88.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.5 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:02	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:02	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:02	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:45	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:45	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 313_20220623_FB **York Sample ID:** 22F1254-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	ND		mg/L	0.500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:40	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:40	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:40	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	06/23/2022 17:46	06/24/2022 09:40	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**2.0**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 313_20220623_FB **York Sample ID:** 22F1254-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**13.0**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	ND		mg/L	1.0	1	SM 5310B	07/01/2022 11:44	07/01/2022 11:44	PHO
							Certifications:			

Sample Information

Client Sample ID: 314_20220623_TB **York Sample ID:** 22F1254-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 314_20220623_TB **York Sample ID:** 22F1254-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 314_20220623_TB **York Sample ID:** 22F1254-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**6.4**		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 314_20220623_TB **York Sample ID:** 22F1254-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 12:00 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/28/2022 22:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*87.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*89.5 %*	*79-122*

Sample Information

Client Sample ID: 315_LMW-46 **York Sample ID:** 22F1254-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:40 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 315_LMW-46 **York Sample ID:** 22F1254-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:40 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**7.9**		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 315_LMW-46 **York Sample ID:** 22F1254-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:40 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 315_LMW-46 **York Sample ID:** 22F1254-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:40 pm	06/23/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/28/2022 12:30	06/29/2022 03:26	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*87.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*91.3 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**1000**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:09	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:09	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:09	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**21.2**		mg/L	0.278	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.848**		mg/L	0.00556	1	EPA 6010D	07/01/2022 12:21	07/01/2022 16:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: 315_LMW-46 **York Sample ID:** 22F1254-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:40 pm	06/23/2022

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.794**		mg/L	0.00556	1	EPA 6010D	07/01/2022 15:14	07/05/2022 13:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**231**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 06:17	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 10:01	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/23/2022 17:46	06/24/2022 10:01	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**44.9**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 06:17	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**260**		mg/L	2.0	1	SM 2320B	06/29/2022 08:14	06/29/2022 15:04	sgs
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	06/30/2022 07:57	06/30/2022 15:07	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 315_LMW-46 **York Sample ID:** 22F1254-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1254	100766601	Water	June 23, 2022 3:40 pm	06/23/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**745**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6.3**		mg/L	1.0	1	SM 5310B	07/01/2022 11:57	07/01/2022 11:57	PHO
							Certifications:			

Analytical Batch Summary

Batch ID: 7/1/2022 10:04:16 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-02	304_LMW-36	07/01/22

Batch ID: 7/1/2022 10:19:08 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-03	305_LMW-37	07/01/22

Batch ID: 7/1/2022 10:33:12 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-04	308_LMW-40	07/01/22

Batch ID: 7/1/2022 10:47:52 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-05	309_LMW-41	07/01/22

Batch ID: 7/1/2022 11:01:48 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-06	310_LMW-42	07/01/22

Batch ID: 7/1/2022 11:15:57 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-07	311_LMW-43	07/01/22

Batch ID: 7/1/2022 11:30:03 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-08	312_LMW-44	07/01/22

Batch ID: 7/1/2022 11:44:02 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-09	313_20220623_FB	07/01/22

Batch ID: 7/1/2022 11:57:33 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-11	315_LMW-46	07/01/22

Batch ID: 7/1/2022 9:49:50 AM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	07/01/22

Batch ID: BF21680 **Preparation Method:** EPA 300 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/23/22
22F1254-02	304_LMW-36	06/23/22
22F1254-03	305_LMW-37	06/23/22
22F1254-04	308_LMW-40	06/23/22
22F1254-05	309_LMW-41	06/23/22
22F1254-06	310_LMW-42	06/23/22
22F1254-07	311_LMW-43	06/23/22
22F1254-08	312_LMW-44	06/23/22
22F1254-09	313_20220623_FB	06/23/22
22F1254-11	315_LMW-46	06/23/22
BF21680-BLK1	Blank	06/23/22
BF21680-BS1	LCS	06/23/22
BF21680-DUP1	Duplicate	06/23/22
BF21680-MS1	Matrix Spike	06/23/22
BF21680-MS2	Matrix Spike	06/23/22

Batch ID: BF21705 **Preparation Method:** Analysis Preparation **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/28/22
22F1254-02	304_LMW-36	06/28/22
22F1254-03	305_LMW-37	06/28/22
BF21705-DUP1	Duplicate	06/28/22
BF21705-SRM1	Reference	06/28/22

Batch ID: BF21711 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/28/22
22F1254-02	304_LMW-36	06/28/22
BF21711-BLK1	Blank	06/28/22
BF21711-DUP1	Duplicate	06/28/22
BF21711-DUP2	Duplicate	06/28/22

Batch ID: BF21736 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/28/22
22F1254-02	304_LMW-36	06/28/22
22F1254-03	305_LMW-37	06/28/22
22F1254-08	312_LMW-44	06/28/22
22F1254-09	313_20220623_FB	06/28/22
22F1254-10	314_20220623_TB	06/28/22
22F1254-11	315_LMW-46	06/28/22
BF21736-BLK1	Blank	06/28/22
BF21736-BS1	LCS	06/28/22
BF21736-BSD1	LCS Dup	06/28/22

Batch ID: BF21787 **Preparation Method:** EPA 300 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/27/22
22F1254-02	304_LMW-36	06/27/22
22F1254-03	305_LMW-37	06/27/22
22F1254-04	308_LMW-40	06/27/22
22F1254-05	309_LMW-41	06/27/22
22F1254-06	310_LMW-42	06/27/22
22F1254-07	311_LMW-43	06/27/22
22F1254-08	312_LMW-44	06/27/22
22F1254-11	315_LMW-46	06/27/22
BF21787-BLK1	Blank	06/27/22
BF21787-BS1	LCS	06/27/22
BF21787-DUP1	Duplicate	06/27/22
BF21787-MS1	Matrix Spike	06/27/22
BF21787-MS2	Matrix Spike	06/27/22

Batch ID: BF21808 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-04	308_LMW-40	06/29/22
22F1254-05	309_LMW-41	06/29/22
22F1254-06	310_LMW-42	06/29/22
BF21808-BLK1	Blank	06/29/22
BF21808-BS1	LCS	06/29/22
BF21808-BSD1	LCS Dup	06/29/22

Batch ID: BF21821 **Preparation Method:** Analysis Preparation **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-04	308_LMW-40	06/29/22
22F1254-05	309_LMW-41	06/29/22
22F1254-06	310_LMW-42	06/29/22
22F1254-07	311_LMW-43	06/29/22
22F1254-08	312_LMW-44	06/29/22
22F1254-09	313_20220623_FB	06/29/22

22F1254-11	315_LMW-46	06/29/22
BF21821-DUP1	Duplicate	06/29/22
BF21821-SRM1	Reference	06/29/22

Batch ID: BF21829 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/29/22
22F1254-02	304_LMW-36	06/29/22
22F1254-03	305_LMW-37	06/29/22
22F1254-04	308_LMW-40	06/29/22
22F1254-05	309_LMW-41	06/29/22
22F1254-06	310_LMW-42	06/29/22
22F1254-07	311_LMW-43	06/29/22
22F1254-08	312_LMW-44	06/29/22
22F1254-09	313_20220623_FB	06/29/22
22F1254-11	315_LMW-46	06/29/22
BF21829-BLK1	Blank	06/29/22
BF21829-DUP1	Duplicate	06/29/22

Batch ID: BF21861 **Preparation Method:** EPA 3015A **Prepared By:** MJN

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-03	305_LMW-37	06/29/22
BF21861-BLK1	Blank	06/29/22
BF21861-BS1	LCS	06/29/22
BF21861-DUP1	Duplicate	06/29/22
BF21861-MS1	Matrix Spike	06/29/22
BF21861-PS1	Post Spike	06/29/22

Batch ID: BF21881 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-03	305_LMW-37	06/29/22
22F1254-04	308_LMW-40	06/29/22
22F1254-05	309_LMW-41	06/29/22
22F1254-06	310_LMW-42	06/29/22
22F1254-07	311_LMW-43	06/29/22
22F1254-08	312_LMW-44	06/29/22
22F1254-09	313_20220623_FB	06/29/22
22F1254-11	315_LMW-46	06/29/22
BF21881-BLK1	Blank	06/29/22
BF21881-DUP1	Duplicate	06/29/22
BF21881-DUP2	Duplicate	06/29/22

Batch ID: BF21908 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/30/22

22F1254-02	304_LMW-36	06/30/22
22F1254-03	305_LMW-37	06/30/22
22F1254-04	308_LMW-40	06/30/22
22F1254-05	309_LMW-41	06/30/22
22F1254-06	310_LMW-42	06/30/22
22F1254-07	311_LMW-43	06/30/22
22F1254-08	312_LMW-44	06/30/22
22F1254-09	313_20220623_FB	06/30/22
22F1254-11	315_LMW-46	06/30/22
BF21908-BLK1	Blank	06/30/22
BF21908-BS1	LCS	06/30/22
BF21908-DUP1	Duplicate	06/30/22

Batch ID: BF21918 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01RE1	303_LMW-35	06/30/22
22F1254-02RE1	304_LMW-36	06/30/22
22F1254-02RE2	304_LMW-36	06/30/22
22F1254-03RE1	305_LMW-37	06/30/22
BF21918-BLK1	Blank	06/30/22
BF21918-BS1	LCS	06/30/22
BF21918-BSD1	LCS Dup	06/30/22

Batch ID: BF21935 **Preparation Method:** EPA 3015A **Prepared By:** MJN

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	06/30/22
22F1254-02	304_LMW-36	06/30/22
22F1254-04	308_LMW-40	06/30/22
22F1254-05	309_LMW-41	06/30/22
22F1254-06	310_LMW-42	06/30/22
BF21935-BLK1	Blank	06/30/22
BF21935-BS1	LCS	06/30/22
BF21935-DUP1	Duplicate	06/30/22
BF21935-MS1	Matrix Spike	06/30/22
BF21935-PS1	Post Spike	06/30/22

Batch ID: BF21954 **Preparation Method:** EPA 300 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-02	304_LMW-36	06/29/22
22F1254-03	305_LMW-37	06/29/22
22F1254-04	308_LMW-40	06/29/22
BF21954-BLK1	Blank	06/29/22
BF21954-BS1	LCS	06/29/22
BF21954-DUP1	Duplicate	06/29/22
BF21954-MS1	Matrix Spike	06/29/22
BF21954-MS2	Matrix Spike	06/29/22

Batch ID: BG20025 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-06RE1	310_LMW-42	07/01/22
22F1254-06RE2	310_LMW-42	07/01/22
22F1254-07	311_LMW-43	07/01/22
BG20025-BLK1	Blank	07/01/22
BG20025-BS1	LCS	07/01/22
BG20025-BSD1	LCS Dup	07/01/22

Batch ID: BG20030 **Preparation Method:** EPA 3015A **Prepared By:** MJN

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-03	305_LMW-37	07/01/22
22F1254-07	311_LMW-43	07/01/22
22F1254-08	312_LMW-44	07/01/22
22F1254-09	313_20220623_FB	07/01/22
22F1254-11	315_LMW-46	07/01/22
BG20030-BLK1	Blank	07/01/22
BG20030-BS1	LCS	07/01/22
BG20030-DUP1	Duplicate	07/01/22
BG20030-MS1	Matrix Spike	07/01/22
BG20030-PS1	Post Spike	07/01/22

Batch ID: BG20047 **Preparation Method:** EPA 3015A **Prepared By:** MJN

YORK Sample ID	Client Sample ID	Preparation Date
22F1254-01	303_LMW-35	07/01/22
22F1254-02	304_LMW-36	07/01/22
22F1254-03	305_LMW-37	07/01/22
22F1254-04	308_LMW-40	07/01/22
22F1254-05	309_LMW-41	07/01/22
22F1254-06	310_LMW-42	07/01/22
22F1254-07	311_LMW-43	07/01/22
22F1254-08	312_LMW-44	07/01/22
22F1254-09	313_20220623_FB	07/01/22
22F1254-11	315_LMW-46	07/01/22
BG20047-BLK1	Blank	07/01/22
BG20047-BS1	LCS	07/01/22
BG20047-DUP1	Duplicate	07/01/22
BG20047-MS1	Matrix Spike	07/01/22
BG20047-PS1	Post Spike	07/01/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21736 - EPA 5030B											
Blank (BF21736-BLK1) Blank									Prepared & Analyzed: 06/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21736 - EPA 5030B											
Blank (BF21736-BLK1) Blank								Prepared & Analyzed: 06/28/2022			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.71*		*"*	*10.0*		*87.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.29*		*"*	*10.0*		*92.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.01*		*"*	*10.0*		*90.1*	*79-122*				
LCS (BF21736-BS1) LCS								Prepared & Analyzed: 06/28/2022			
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		99.4	82-126				
1,1,1-Trichloroethane	10		"	10.0		99.7	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0		138	54-165				
1,1,2-Trichloroethane	10		"	10.0		105	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	10		"	10.0		101	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		109	40-130				
1,2,3-Trichloropropane	9.6		"	10.0		96.1	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		104	65-137				
1,2,4-Trimethylbenzene	8.9		"	10.0		88.8	82-132				
1,2-Dibromo-3-chloropropane	9.5		"	10.0		95.2	45-147				
1,2-Dibromoethane	11		"	10.0		106	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		97.7	79-123				
1,2-Dichloroethane	9.9		"	10.0		99.0	73-132				
1,2-Dichloropropane	9.7		"	10.0		97.1	78-126				
1,3,5-Trimethylbenzene	8.7		"	10.0		87.3	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		94.0	86-130				
1,4-Dichlorobenzene	9.5		"	10.0		95.0	85-130				
1,4-Dioxane	850		"	210		407	10-349	High Bias			
2-Butanone	10		"	10.0		104	49-152				
2-Hexanone	8.4		"	10.0		83.6	51-146				
4-Methyl-2-pentanone	7.7		"	10.0		77.3	57-145				
Acetone	6.5		"	10.0		64.9	14-150				
Acrolein	5.4		"	100		5.37	10-153	Low Bias			
Acrylonitrile	11		"	10.0		113	51-150				
Benzene	11		"	10.0		114	85-126				
Bromochloromethane	11		"	10.0		110	77-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21736 - EPA 5030B											
LCS (BF21736-BS1) LCS							Prepared & Analyzed: 06/28/2022				
Bromodichloromethane	8.8		ug/L	10.0		88.0	79-128				
Bromoform	12		"	10.0		116	78-133				
Bromomethane	6.4		"	10.0		63.8	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	11		"	10.0		108	77-141				
Chlorobenzene	11		"	10.0		106	88-120				
Chloroethane	11		"	10.0		109	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	8.5		"	10.0		84.7	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	9.2		"	10.0		92.2	80-131				
Cyclohexane	13		"	10.0		135	63-149				
Dibromochloromethane	10		"	10.0		103	80-130				
Dibromomethane	9.6		"	10.0		96.5	72-134				
Dichlorodifluoromethane	8.0		"	10.0		79.7	44-144				
Ethyl Benzene	9.4		"	10.0		94.0	80-131				
Hexachlorobutadiene	9.5		"	10.0		95.3	67-146				
Isopropylbenzene	9.0		"	10.0		89.6	76-140				
Methyl acetate	9.0		"	10.0		90.5	51-139				
Methyl tert-butyl ether (MTBE)	12		"	10.0		122	76-135				
Methylcyclohexane	11		"	10.0		105	72-143				
Methylene chloride	11		"	10.0		109	55-137				
n-Butylbenzene	8.2		"	10.0		82.3	79-132				
n-Propylbenzene	8.5		"	10.0		85.0	78-133				
o-Xylene	9.5		"	10.0		95.1	78-130				
p- & m- Xylenes	19		"	20.0		93.8	77-133				
p-Isopropyltoluene	9.2		"	10.0		91.8	81-136				
sec-Butylbenzene	8.9		"	10.0		89.2	79-137				
Styrene	9.8		"	10.0		97.5	67-132				
tert-Butyl alcohol (TBA)	65		"	50.0		130	25-162				
tert-Butylbenzene	8.5		"	10.0		84.8	77-138				
Tetrachloroethylene	7.3		"	10.0		72.8	82-131	Low Bias			
Toluene	9.6		"	10.0		95.9	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.1	78-131				
trans-1,4-dichloro-2-butene	9.3		"	10.0		92.9	63-141				
Trichloroethylene	9.0		"	10.0		89.6	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	9.7		"	10.0		96.7	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.82*		*"*	*10.0*		*88.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.28*		*"*	*10.0*		*92.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.01*		*"*	*10.0*		*90.1*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21736 - EPA 5030B											
LCS Dup (BF21736-BSD1) LCS Dup								Prepared & Analyzed: 06/28/2022			
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.5	82-126		2.96	30	
1,1,1-Trichloroethane	9.4		"	10.0		94.1	78-136		5.78	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		2.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165		7.97	30	
1,1,2-Trichloroethane	9.9		"	10.0		99.3	82-123		5.48	30	
1,1-Dichloroethane	9.9		"	10.0		99.4	82-129		6.61	30	
1,1-Dichloroethylene	9.5		"	10.0		95.2	68-138		6.21	30	
1,2,3-Trichlorobenzene	10		"	10.0		102	40-130		5.78	30	
1,2,3-Trichloropropane	9.9		"	10.0		99.1	77-128		3.07	30	
1,2,4-Trichlorobenzene	10		"	10.0		101	65-137		2.92	30	
1,2,4-Trimethylbenzene	8.9		"	10.0		88.8	82-132		0.00	30	
1,2-Dibromo-3-chloropropane	9.8		"	10.0		97.7	45-147		2.59	30	
1,2-Dibromoethane	10		"	10.0		101	83-124		5.20	30	
1,2-Dichlorobenzene	9.5		"	10.0		94.8	79-123		3.01	30	
1,2-Dichloroethane	9.5		"	10.0		94.6	73-132		4.55	30	
1,2-Dichloropropane	9.5		"	10.0		94.7	78-126		2.50	30	
1,3,5-Trimethylbenzene	8.6		"	10.0		85.9	80-131		1.62	30	
1,3-Dichlorobenzene	9.2		"	10.0		91.9	86-130		2.26	30	
1,4-Dichlorobenzene	9.5		"	10.0		94.9	85-130		0.105	30	
1,4-Dioxane	800		"	210		382	10-349	High Bias	6.24	30	
2-Butanone	9.1		"	10.0		90.6	49-152		13.3	30	
2-Hexanone	7.8		"	10.0		77.5	51-146		7.57	30	
4-Methyl-2-pentanone	7.2		"	10.0		71.7	57-145		7.52	30	
Acetone	5.7		"	10.0		57.0	14-150		13.0	30	
Acrolein	0.35		"	100		0.350	10-153	Low Bias	176	30	Non-dir.
Acrylonitrile	11		"	10.0		105	51-150		7.06	30	
Benzene	11		"	10.0		108	85-126		5.29	30	
Bromochloromethane	11		"	10.0		106	77-128		3.72	30	
Bromodichloromethane	8.4		"	10.0		83.9	79-128		4.77	30	
Bromoform	11		"	10.0		109	78-133		6.30	30	
Bromomethane	6.5		"	10.0		65.1	43-168		2.02	30	
Carbon disulfide	11		"	10.0		110	68-146		5.73	30	
Carbon tetrachloride	10		"	10.0		102	77-141		6.01	30	
Chlorobenzene	10		"	10.0		102	88-120		2.98	30	
Chloroethane	10		"	10.0		104	65-136		4.69	30	
Chloroform	10		"	10.0		100	82-128		5.91	30	
Chloromethane	7.9		"	10.0		78.9	43-155		7.09	30	
cis-1,2-Dichloroethylene	9.5		"	10.0		94.6	83-129		5.75	30	
cis-1,3-Dichloropropylene	9.0		"	10.0		89.9	80-131		2.53	30	
Cyclohexane	13		"	10.0		128	63-149		5.34	30	
Dibromochloromethane	10		"	10.0		99.8	80-130		3.45	30	
Dibromomethane	8.9		"	10.0		88.9	72-134		8.20	30	
Dichlorodifluoromethane	7.6		"	10.0		75.9	44-144		4.88	30	
Ethyl Benzene	9.0		"	10.0		90.5	80-131		3.79	30	
Hexachlorobutadiene	9.2		"	10.0		91.9	67-146		3.63	30	
Isopropylbenzene	8.9		"	10.0		88.6	76-140		1.12	30	
Methyl acetate	8.3		"	10.0		83.2	51-139		8.41	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		115	76-135		6.09	30	
Methylcyclohexane	10		"	10.0		102	72-143		3.28	30	
Methylene chloride	11		"	10.0		106	55-137		3.26	30	
n-Butylbenzene	8.1		"	10.0		81.0	79-132		1.59	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21736 - EPA 5030B											
LCS Dup (BF21736-BSD1) LCS Dup								Prepared & Analyzed: 06/28/2022			
n-Propylbenzene	8.3		ug/L	10.0		83.4	78-133		1.90	30	
o-Xylene	9.3		"	10.0		92.9	78-130		2.34	30	
p- & m- Xylenes	18		"	20.0		90.9	77-133		3.09	30	
p-Isopropyltoluene	9.0		"	10.0		90.4	81-136		1.54	30	
sec-Butylbenzene	8.8		"	10.0		87.7	79-137		1.70	30	
Styrene	9.4		"	10.0		94.3	67-132		3.34	30	
tert-Butyl alcohol (TBA)	59		"	50.0		117	25-162		10.6	30	
tert-Butylbenzene	8.4		"	10.0		84.5	77-138		0.354	30	
Tetrachloroethylene	7.0		"	10.0		70.5	82-131	Low Bias	3.21	30	
Toluene	9.3		"	10.0		92.7	80-127		3.39	30	
trans-1,2-Dichloroethylene	9.9		"	10.0		99.2	80-132		6.44	30	
trans-1,3-Dichloropropylene	9.1		"	10.0		91.3	78-131		1.95	30	
trans-1,4-dichloro-2-butene	11		"	10.0		106	63-141		12.7	30	
Trichloroethylene	8.8		"	10.0		87.9	82-128		1.92	30	
Trichlorofluoromethane	9.9		"	10.0		99.0	67-139		5.31	30	
Vinyl Chloride	9.1		"	10.0		91.0	58-145		6.07	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.53*		*"*	*10.0*		*85.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.27*		*"*	*10.0*		*92.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.10*		*"*	*10.0*		*91.0*	*79-122*				
Batch BF21808 - EPA 5030B											
Blank (BF21808-BLK1) Blank								Prepared & Analyzed: 06/29/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21808 - EPA 5030B											
Blank (BF21808-BLK1) Blank									Prepared & Analyzed: 06/29/2022		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	0.31	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.66*		*"*	*10.0*		*96.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21808 - EPA 5030B											
LCS (BF21808-BS1) LCS								Prepared & Analyzed: 06/29/2022			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	11		"	10.0		113	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165				
1,1,2-Trichloroethane	11		"	10.0		105	82-123				
1,1-Dichloroethane	11		"	10.0		111	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	9.6		"	10.0		96.4	40-130				
1,2,3-Trichloropropane	10		"	10.0		101	77-128				
1,2,4-Trichlorobenzene	9.8		"	10.0		97.8	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		101	45-147				
1,2-Dibromoethane	11		"	10.0		106	83-124				
1,2-Dichlorobenzene	10		"	10.0		102	79-123				
1,2-Dichloroethane	11		"	10.0		113	73-132				
1,2-Dichloropropane	11		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	9.9		"	10.0		99.3	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-130				
1,4-Dichlorobenzene	10		"	10.0		102	85-130				
1,4-Dioxane	260		"	210		126	10-349				
2-Butanone	9.5		"	10.0		94.8	49-152				
2-Hexanone	9.5		"	10.0		95.1	51-146				
4-Methyl-2-pentanone	10		"	10.0		104	57-145				
Acetone	6.9		"	10.0		69.1	14-150				
Acrolein	2.8		"	100		2.83	10-153	Low Bias			
Acrylonitrile	11		"	10.0		107	51-150				
Benzene	11		"	10.0		114	85-126				
Bromochloromethane	11		"	10.0		114	77-128				
Bromodichloromethane	11		"	10.0		106	79-128				
Bromoform	10		"	10.0		104	78-133				
Bromomethane	4.9		"	10.0		49.1	43-168				
Carbon disulfide	13		"	10.0		134	68-146				
Carbon tetrachloride	12		"	10.0		117	77-141				
Chlorobenzene	11		"	10.0		111	88-120				
Chloroethane	12		"	10.0		124	65-136				
Chloroform	11		"	10.0		114	82-128				
Chloromethane	8.2		"	10.0		81.7	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		112	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		105	80-131				
Cyclohexane	11		"	10.0		114	63-149				
Dibromochloromethane	11		"	10.0		105	80-130				
Dibromomethane	11		"	10.0		107	72-134				
Dichlorodifluoromethane	13		"	10.0		130	44-144				
Ethyl Benzene	11		"	10.0		108	80-131				
Hexachlorobutadiene	9.6		"	10.0		96.4	67-146				
Isopropylbenzene	10		"	10.0		104	76-140				
Methyl acetate	9.8		"	10.0		98.1	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	76-135				
Methylcyclohexane	11		"	10.0		108	72-143				
Methylene chloride	8.1		"	10.0		81.4	55-137				
n-Butylbenzene	8.7		"	10.0		87.2	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21808 - EPA 5030B											
LCS (BF21808-BS1) LCS								Prepared & Analyzed: 06/29/2022			
n-Propylbenzene	10		ug/L	10.0		103	78-133				
o-Xylene	11		"	10.0		109	78-130				
p- & m- Xylenes	22		"	20.0		112	77-133				
p-Isopropyltoluene	10		"	10.0		100	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	11		"	10.0		108	67-132				
tert-Butyl alcohol (TBA)	53		"	50.0		106	25-162				
tert-Butylbenzene	10		"	10.0		101	77-138				
Tetrachloroethylene	8.4		"	10.0		84.0	82-131				
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		103	63-141				
Trichloroethylene	11		"	10.0		105	82-128				
Trichlorofluoromethane	13		"	10.0		128	67-139				
Vinyl Chloride	11		"	10.0		114	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				
LCS Dup (BF21808-BSD1) LCS Dup								Prepared & Analyzed: 06/29/2022			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		2.91	30	
1,1,1-Trichloroethane	11		"	10.0		106	78-136		5.92	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129		0.288	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165		6.35	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		2.31	30	
1,1-Dichloroethane	11		"	10.0		105	82-129		5.54	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		6.79	30	
1,2,3-Trichlorobenzene	9.8		"	10.0		97.5	40-130		1.13	30	
1,2,3-Trichloropropane	10		"	10.0		103	77-128		1.28	30	
1,2,4-Trichlorobenzene	9.7		"	10.0		96.6	65-137		1.23	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		98.5	82-132		2.41	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		102	45-147		0.0986	30	
1,2-Dibromoethane	11		"	10.0		105	83-124		0.285	30	
1,2-Dichlorobenzene	10		"	10.0		100	79-123		1.68	30	
1,2-Dichloroethane	11		"	10.0		111	73-132		2.32	30	
1,2-Dichloropropane	10		"	10.0		104	78-126		3.03	30	
1,3,5-Trimethylbenzene	9.7		"	10.0		96.6	80-131		2.76	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.5	86-130		2.51	30	
1,4-Dichlorobenzene	9.9		"	10.0		99.4	85-130		2.58	30	
1,4-Dioxane	270		"	210		128	10-349		1.96	30	
2-Butanone	9.6		"	10.0		95.9	49-152		1.15	30	
2-Hexanone	9.5		"	10.0		94.6	51-146		0.527	30	
4-Methyl-2-pentanone	10		"	10.0		103	57-145		0.678	30	
Acetone	7.0		"	10.0		70.0	14-150		1.29	30	
Acrolein	2.6		"	100		2.63	10-153	Low Bias	7.33	30	
Acrylonitrile	11		"	10.0		107	51-150		0.281	30	
Benzene	11		"	10.0		109	85-126		4.75	30	
Bromochloromethane	11		"	10.0		110	77-128		4.11	30	
Bromodichloromethane	10		"	10.0		102	79-128		3.28	30	
Bromoform	10		"	10.0		102	78-133		2.05	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21808 - EPA 5030B											
LCS Dup (BF21808-BSD1) LCS Dup								Prepared & Analyzed: 06/29/2022			
Bromomethane	5.4		ug/L	10.0		54.0	43-168		9.51	30	
Carbon disulfide	12		"	10.0		122	68-146		8.74	30	
Carbon tetrachloride	11		"	10.0		109	77-141		6.64	30	
Chlorobenzene	11		"	10.0		107	88-120		3.39	30	
Chloroethane	11		"	10.0		114	65-136		8.67	30	
Chloroform	11		"	10.0		109	82-128		4.21	30	
Chloromethane	7.8		"	10.0		77.5	43-155		5.28	30	
cis-1,2-Dichloroethylene	11		"	10.0		107	83-129		4.46	30	
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131		2.89	30	
Cyclohexane	11		"	10.0		106	63-149		7.29	30	
Dibromochloromethane	10		"	10.0		102	80-130		3.39	30	
Dibromomethane	10		"	10.0		104	72-134		3.22	30	
Dichlorodifluoromethane	12		"	10.0		122	44-144		6.43	30	
Ethyl Benzene	10		"	10.0		104	80-131		3.87	30	
Hexachlorobutadiene	9.7		"	10.0		96.6	67-146		0.207	30	
Isopropylbenzene	10		"	10.0		99.8	76-140		4.31	30	
Methyl acetate	9.8		"	10.0		98.5	51-139		0.407	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	76-135		0.635	30	
Methylcyclohexane	10		"	10.0		100	72-143		6.92	30	
Methylene chloride	7.9		"	10.0		78.7	55-137		3.37	30	
n-Butylbenzene	8.9		"	10.0		89.3	79-132		2.38	30	
n-Propylbenzene	10		"	10.0		99.6	78-133		3.74	30	
o-Xylene	11		"	10.0		106	78-130		3.17	30	
p- & m- Xylenes	22		"	20.0		108	77-133		4.00	30	
p-Isopropyltoluene	9.8		"	10.0		97.7	81-136		2.33	30	
sec-Butylbenzene	9.8		"	10.0		97.9	79-137		2.92	30	
Styrene	10		"	10.0		105	67-132		3.19	30	
tert-Butyl alcohol (TBA)	54		"	50.0		107	25-162		1.03	30	
tert-Butylbenzene	9.8		"	10.0		97.8	77-138		3.02	30	
Tetrachloroethylene	7.9		"	10.0		79.0	82-131	Low Bias	6.13	30	
Toluene	10		"	10.0		101	80-127		4.84	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		6.29	30	
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131		2.01	30	
trans-1,4-dichloro-2-butene	10		"	10.0		100	63-141		2.27	30	
Trichloroethylene	10		"	10.0		99.6	82-128		5.47	30	
Trichlorofluoromethane	12		"	10.0		118	67-139		7.73	30	
Vinyl Chloride	11		"	10.0		107	58-145		6.59	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.68*		*"*	*10.0*		*96.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		*"*	*10.0*		*97.2*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21918 - EPA 5030B											
Blank (BF21918-BLK1) Blank									Prepared & Analyzed: 06/30/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	0.31	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21918 - EPA 5030B											
Blank (BF21918-BLK1) Blank								Prepared & Analyzed: 06/30/2022			
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.64*		*"*	*10.0*		*96.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.84*		*"*	*10.0*		*98.4*	*79-122*				
LCS (BF21918-BS1) LCS								Prepared & Analyzed: 06/30/2022			
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.9	82-126				
1,1,1-Trichloroethane	10		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.3		"	10.0		93.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.4		"	10.0		93.5	82-123				
1,1-Dichloroethane	10		"	10.0		99.5	82-129				
1,1-Dichloroethylene	10		"	10.0		102	68-138				
1,2,3-Trichlorobenzene	8.7		"	10.0		86.6	40-130				
1,2,3-Trichloropropane	9.2		"	10.0		91.9	77-128				
1,2,4-Trichlorobenzene	8.9		"	10.0		89.0	65-137				
1,2,4-Trimethylbenzene	9.2		"	10.0		91.6	82-132				
1,2-Dibromo-3-chloropropane	9.1		"	10.0		90.7	45-147				
1,2-Dibromoethane	9.5		"	10.0		94.7	83-124				
1,2-Dichlorobenzene	9.2		"	10.0		91.9	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	9.6		"	10.0		95.6	78-126				
1,3,5-Trimethylbenzene	8.9		"	10.0		89.3	80-131				
1,3-Dichlorobenzene	9.1		"	10.0		90.9	86-130				
1,4-Dichlorobenzene	9.1		"	10.0		91.1	85-130				
1,4-Dioxane	230		"	210		112	10-349				
2-Butanone	8.6		"	10.0		86.3	49-152				
2-Hexanone	8.5		"	10.0		85.3	51-146				
4-Methyl-2-pentanone	9.2		"	10.0		92.5	57-145				
Acetone	6.4		"	10.0		64.4	14-150				
Acrolein	2.4		"	100		2.41	10-153	Low Bias			
Acrylonitrile	10		"	10.0		101	51-150				
Benzene	10		"	10.0		102	85-126				
Bromochloromethane	10		"	10.0		103	77-128				
Bromodichloromethane	9.3		"	10.0		93.1	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21918 - EPA 5030B											
LCS (BF21918-BS1) LCS								Prepared & Analyzed: 06/30/2022			
Bromoform	9.3		ug/L	10.0		93.1	78-133				
Bromomethane	3.2		"	10.0		31.7	43-168	Low Bias			
Carbon disulfide	12		"	10.0		121	68-146				
Carbon tetrachloride	10		"	10.0		104	77-141				
Chlorobenzene	10		"	10.0		99.8	88-120				
Chloroethane	11		"	10.0		106	65-136				
Chloroform	10		"	10.0		103	82-128				
Chloromethane	6.5		"	10.0		65.1	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.3		"	10.0		93.2	80-131				
Cyclohexane	9.7		"	10.0		97.2	63-149				
Dibromochloromethane	9.3		"	10.0		92.9	80-130				
Dibromomethane	9.5		"	10.0		94.8	72-134				
Dichlorodifluoromethane	8.8		"	10.0		88.4	44-144				
Ethyl Benzene	9.7		"	10.0		96.6	80-131				
Hexachlorobutadiene	9.1		"	10.0		90.7	67-146				
Isopropylbenzene	9.4		"	10.0		93.8	76-140				
Methyl acetate	9.2		"	10.0		91.6	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		101	76-135				
Methylcyclohexane	9.0		"	10.0		89.6	72-143				
Methylene chloride	7.2		"	10.0		72.2	55-137				
n-Butylbenzene	9.7		"	10.0		97.2	79-132				
n-Propylbenzene	9.3		"	10.0		93.2	78-133				
o-Xylene	9.7		"	10.0		97.2	78-130				
p- & m- Xylenes	20		"	20.0		100	77-133				
p-Isopropyltoluene	9.2		"	10.0		91.5	81-136				
sec-Butylbenzene	9.2		"	10.0		91.7	79-137				
Styrene	9.6		"	10.0		96.1	67-132				
tert-Butyl alcohol (TBA)	48		"	50.0		96.5	25-162				
tert-Butylbenzene	9.1		"	10.0		91.2	77-138				
Tetrachloroethylene	7.4		"	10.0		74.5	82-131	Low Bias			
Toluene	9.4		"	10.0		93.7	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		92.6	78-131				
trans-1,4-dichloro-2-butene	9.1		"	10.0		90.9	63-141				
Trichloroethylene	9.3		"	10.0		92.6	82-128				
Trichlorofluoromethane	11		"	10.0		106	67-139				
Vinyl Chloride	8.9		"	10.0		89.4	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.67*		*"*	*10.0*		*96.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.71*		*"*	*10.0*		*97.1*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21918 - EPA 5030B											
LCS Dup (BF21918-BSD1) LCS Dup								Prepared & Analyzed: 06/30/2022			
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0		92.3	82-126		1.72	30	
1,1,1-Trichloroethane	9.7		"	10.0		97.3	78-136		4.23	30	
1,1,2,2-Tetrachloroethane	9.4		"	10.0		93.5	76-129		0.107	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165		3.20	30	
1,1,2-Trichloroethane	9.4		"	10.0		94.5	82-123		1.06	30	
1,1-Dichloroethane	9.6		"	10.0		96.4	82-129		3.16	30	
1,1-Dichloroethylene	9.8		"	10.0		97.7	68-138		4.11	30	
1,2,3-Trichlorobenzene	8.9		"	10.0		89.3	40-130		3.07	30	
1,2,3-Trichloropropane	9.2		"	10.0		92.4	77-128		0.543	30	
1,2,4-Trichlorobenzene	8.9		"	10.0		89.2	65-137		0.224	30	
1,2,4-Trimethylbenzene	9.1		"	10.0		90.6	82-132		1.10	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0		90.5	45-147		0.221	30	
1,2-Dibromoethane	9.4		"	10.0		94.2	83-124		0.529	30	
1,2-Dichlorobenzene	9.1		"	10.0		90.9	79-123		1.09	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		0.592	30	
1,2-Dichloropropane	9.4		"	10.0		94.4	78-126		1.26	30	
1,3,5-Trimethylbenzene	8.9		"	10.0		88.7	80-131		0.674	30	
1,3-Dichlorobenzene	9.0		"	10.0		89.6	86-130		1.44	30	
1,4-Dichlorobenzene	9.1		"	10.0		90.9	85-130		0.220	30	
1,4-Dioxane	240		"	210		115	10-349		3.01	30	
2-Butanone	8.2		"	10.0		82.2	49-152		4.87	30	
2-Hexanone	8.6		"	10.0		86.2	51-146		1.05	30	
4-Methyl-2-pentanone	9.2		"	10.0		92.5	57-145		0.00	30	
Acetone	6.4		"	10.0		64.4	14-150		0.00	30	
Acrolein	2.4		"	100		2.43	10-153	Low Bias	0.826	30	
Acrylonitrile	10		"	10.0		100	51-150		0.894	30	
Benzene	10		"	10.0		100	85-126		2.37	30	
Bromochloromethane	10		"	10.0		100	77-128		2.95	30	
Bromodichloromethane	9.2		"	10.0		92.0	79-128		1.19	30	
Bromoform	9.3		"	10.0		92.9	78-133		0.215	30	
Bromomethane	3.8		"	10.0		38.5	43-168	Low Bias	19.4	30	
Carbon disulfide	11		"	10.0		111	68-146		9.13	30	
Carbon tetrachloride	10		"	10.0		101	77-141		3.42	30	
Chlorobenzene	9.8		"	10.0		98.0	88-120		1.82	30	
Chloroethane	9.8		"	10.0		98.3	65-136		7.82	30	
Chloroform	10		"	10.0		101	82-128		2.16	30	
Chloromethane	6.0		"	10.0		60.1	43-155		7.99	30	
cis-1,2-Dichloroethylene	9.7		"	10.0		97.1	83-129		3.84	30	
cis-1,3-Dichloropropylene	9.2		"	10.0		91.9	80-131		1.40	30	
Cyclohexane	9.4		"	10.0		94.1	63-149		3.24	30	
Dibromochloromethane	9.4		"	10.0		93.5	80-130		0.644	30	
Dibromomethane	9.3		"	10.0		93.0	72-134		1.92	30	
Dichlorodifluoromethane	8.4		"	10.0		84.2	44-144		4.87	30	
Ethyl Benzene	9.4		"	10.0		94.4	80-131		2.30	30	
Hexachlorobutadiene	9.5		"	10.0		94.8	67-146		4.42	30	
Isopropylbenzene	9.2		"	10.0		91.7	76-140		2.26	30	
Methyl acetate	9.0		"	10.0		90.0	51-139		1.76	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		100	76-135		0.892	30	
Methylcyclohexane	8.8		"	10.0		88.0	72-143		1.80	30	
Methylene chloride	7.1		"	10.0		71.0	55-137		1.68	30	
n-Butylbenzene	8.0		"	10.0		79.8	79-132		19.7	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21918 - EPA 5030B											
LCS Dup (BF21918-BSD1) LCS Dup								Prepared & Analyzed: 06/30/2022			
n-Propylbenzene	9.1		ug/L	10.0		91.2	78-133		2.17	30	
o-Xylene	9.6		"	10.0		95.8	78-130		1.45	30	
p- & m- Xylenes	20		"	20.0		98.0	77-133		2.12	30	
p-Isopropyltoluene	9.2		"	10.0		91.6	81-136		0.109	30	
sec-Butylbenzene	9.1		"	10.0		91.2	79-137		0.547	30	
Styrene	9.5		"	10.0		95.2	67-132		0.941	30	
tert-Butyl alcohol (TBA)	51		"	50.0		101	25-162		4.79	30	
tert-Butylbenzene	9.1		"	10.0		90.6	77-138		0.660	30	
Tetrachloroethylene	7.2		"	10.0		71.5	82-131	Low Bias	4.11	30	
Toluene	9.1		"	10.0		91.1	80-127		2.81	30	
trans-1,2-Dichloroethylene	9.7		"	10.0		97.2	80-132		4.13	30	
trans-1,3-Dichloropropylene	9.2		"	10.0		92.5	78-131		0.108	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		90.0	63-141		0.995	30	
Trichloroethylene	9.0		"	10.0		90.3	82-128		2.52	30	
Trichlorofluoromethane	10		"	10.0		101	67-139		4.35	30	
Vinyl Chloride	8.7		"	10.0		86.7	58-145		3.07	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.58*		*"*	*10.0*		*95.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.68*		*"*	*10.0*		*96.8*	*79-122*				
Batch BG20025 - EPA 5030B											
Blank (BG20025-BLK1) Blank								Prepared & Analyzed: 07/01/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20025 - EPA 5030B											
Blank (BG20025-BLK1) Blank								Prepared & Analyzed: 07/01/2022			
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*8.92*		*"*	*10.0*		*89.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.17*		*"*	*10.0*		*91.7*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20025 - EPA 5030B											
LCS (BG20025-BS1) LCS							Prepared & Analyzed: 07/01/2022				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	12		"	10.0		118	78-136				
1,1,2,2-Tetrachloroethane	9.2		"	10.0		92.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16		"	10.0		160	54-165				
1,1,2-Trichloroethane	9.2		"	10.0		92.4	82-123				
1,1-Dichloroethane	12		"	10.0		116	82-129				
1,1-Dichloroethylene	12		"	10.0		121	68-138				
1,2,3-Trichlorobenzene	7.4		"	10.0		74.2	40-130				
1,2,3-Trichloropropane	9.1		"	10.0		90.6	77-128				
1,2,4-Trichlorobenzene	8.5		"	10.0		84.7	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	8.1		"	10.0		81.2	45-147				
1,2-Dibromoethane	9.4		"	10.0		94.4	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		97.8	79-123				
1,2-Dichloroethane	10		"	10.0		104	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	10		"	10.0		102	86-130				
1,4-Dichlorobenzene	10		"	10.0		101	85-130				
1,4-Dioxane	740		"	210		350	10-349	High Bias			
2-Butanone	9.1		"	10.0		91.1	49-152				
2-Hexanone	6.9		"	10.0		69.1	51-146				
4-Methyl-2-pentanone	6.3		"	10.0		63.1	57-145				
Acetone	5.2		"	10.0		52.2	14-150				
Acrolein	0.30		"	100		0.300	10-153	Low Bias			
Acrylonitrile	9.6		"	10.0		96.2	51-150				
Benzene	12		"	10.0		122	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	9.3		"	10.0		93.3	79-128				
Bromoform	9.8		"	10.0		97.5	78-133				
Bromomethane	6.5		"	10.0		64.8	43-168				
Carbon disulfide	13		"	10.0		131	68-146				
Carbon tetrachloride	13		"	10.0		128	77-141				
Chlorobenzene	11		"	10.0		111	88-120				
Chloroethane	12		"	10.0		122	65-136				
Chloroform	12		"	10.0		116	82-128				
Chloromethane	9.8		"	10.0		98.4	43-155				
cis-1,2-Dichloroethylene	12		"	10.0		116	83-129				
cis-1,3-Dichloropropylene	9.6		"	10.0		96.1	80-131				
Cyclohexane	15		"	10.0		147	63-149				
Dibromochloromethane	9.4		"	10.0		93.9	80-130				
Dibromomethane	9.1		"	10.0		91.0	72-134				
Dichlorodifluoromethane	9.5		"	10.0		94.6	44-144				
Ethyl Benzene	11		"	10.0		105	80-131				
Hexachlorobutadiene	9.2		"	10.0		92.5	67-146				
Isopropylbenzene	11		"	10.0		107	76-140				
Methyl acetate	8.5		"	10.0		84.7	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135				
Methylcyclohexane	11		"	10.0		115	72-143				
Methylene chloride	12		"	10.0		116	55-137				
n-Butylbenzene	9.5		"	10.0		94.7	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20025 - EPA 5030B											
LCS (BG20025-BS1) LCS							Prepared & Analyzed: 07/01/2022				
n-Propylbenzene	10		ug/L	10.0		102	78-133				
o-Xylene	10		"	10.0		104	78-130				
p- & m- Xylenes	21		"	20.0		105	77-133				
p-Isopropyltoluene	10		"	10.0		103	81-136				
sec-Butylbenzene	10		"	10.0		103	79-137				
Styrene	10		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	46		"	50.0		91.2	25-162				
tert-Butylbenzene	9.8		"	10.0		98.1	77-138				
Tetrachloroethylene	8.2		"	10.0		82.2	82-131				
Toluene	10		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	9.2		"	10.0		91.9	78-131				
trans-1,4-dichloro-2-butene	8.4		"	10.0		84.4	63-141				
Trichloroethylene	10		"	10.0		103	82-128				
Trichlorofluoromethane	13		"	10.0		129	67-139				
Vinyl Chloride	11		"	10.0		114	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.58*		*"*	*10.0*		*85.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.23*		*"*	*10.0*		*92.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
LCS Dup (BG20025-BSD1) LCS Dup							Prepared & Analyzed: 07/01/2022				
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.6	82-126		6.41	30	
1,1,1-Trichloroethane	11		"	10.0		109	78-136		7.14	30	
1,1,2,2-Tetrachloroethane	9.8		"	10.0		97.5	76-129		5.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15		"	10.0		147	54-165		8.46	30	
1,1,2-Trichloroethane	9.9		"	10.0		99.2	82-123		7.10	30	
1,1-Dichloroethane	11		"	10.0		108	82-129		7.21	30	
1,1-Dichloroethylene	11		"	10.0		109	68-138		10.4	30	
1,2,3-Trichlorobenzene	10		"	10.0		101	40-130		31.0	30	Non-dir.
1,2,3-Trichloropropane	9.5		"	10.0		94.7	77-128		4.43	30	
1,2,4-Trichlorobenzene	10		"	10.0		101	65-137		17.7	30	
1,2,4-Trimethylbenzene	8.8		"	10.0		87.7	82-132		15.6	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		99.6	45-147		20.4	30	
1,2-Dibromoethane	10		"	10.0		102	83-124		7.45	30	
1,2-Dichlorobenzene	9.3		"	10.0		93.4	79-123		4.60	30	
1,2-Dichloroethane	11		"	10.0		109	73-132		4.80	30	
1,2-Dichloropropane	9.3		"	10.0		93.0	78-126		7.35	30	
1,3,5-Trimethylbenzene	8.6		"	10.0		85.6	80-131		17.2	30	
1,3-Dichlorobenzene	9.1		"	10.0		91.0	86-130		11.1	30	
1,4-Dichlorobenzene	9.3		"	10.0		92.7	85-130		8.17	30	
1,4-Dioxane	1100		"	210		522	10-349	High Bias	39.3	30	Non-dir.
2-Butanone	11		"	10.0		112	49-152		20.7	30	
2-Hexanone	8.5		"	10.0		84.7	51-146		20.3	30	
4-Methyl-2-pentanone	7.8		"	10.0		77.9	57-145		21.0	30	
Acetone	5.9		"	10.0		59.4	14-150		12.9	30	
Acrolein	5.0		"	100		5.02	10-153	Low Bias	177	30	Non-dir.
Acrylonitrile	11		"	10.0		106	51-150		9.88	30	
Benzene	11		"	10.0		114	85-126		6.77	30	
Bromochloromethane	11		"	10.0		112	77-128		3.63	30	
Bromodichloromethane	8.8		"	10.0		87.7	79-128		6.19	30	
Bromoform	11		"	10.0		111	78-133		12.7	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20025 - EPA 5030B											
LCS Dup (BG20025-BSD1) LCS Dup							Prepared & Analyzed: 07/01/2022				
Bromomethane	4.7		ug/L	10.0		46.8	43-168		32.3	30	Non-dir.
Carbon disulfide	12		"	10.0		117	68-146		11.7	30	
Carbon tetrachloride	12		"	10.0		116	77-141		9.48	30	
Chlorobenzene	10		"	10.0		102	88-120		8.64	30	
Chloroethane	11		"	10.0		111	65-136		9.43	30	
Chloroform	11		"	10.0		110	82-128		5.83	30	
Chloromethane	8.6		"	10.0		85.7	43-155		13.8	30	
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129		7.61	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		94.3	80-131		1.89	30	
Cyclohexane	13		"	10.0		134	63-149		9.28	30	
Dibromochloromethane	10		"	10.0		99.6	80-130		5.89	30	
Dibromomethane	9.5		"	10.0		94.7	72-134		3.98	30	
Dichlorodifluoromethane	8.4		"	10.0		84.0	44-144		11.9	30	
Ethyl Benzene	9.3		"	10.0		92.9	80-131		12.5	30	
Hexachlorobutadiene	9.5		"	10.0		95.4	67-146		3.09	30	
Isopropylbenzene	8.7		"	10.0		87.3	76-140		20.4	30	
Methyl acetate	9.9		"	10.0		98.8	51-139		15.4	30	
Methyl tert-butyl ether (MTBE)	13		"	10.0		126	76-135		19.2	30	
Methylcyclohexane	10		"	10.0		101	72-143		12.6	30	
Methylene chloride	11		"	10.0		108	55-137		6.89	30	
n-Butylbenzene	8.3		"	10.0		83.2	79-132		12.9	30	
n-Propylbenzene	8.4		"	10.0		84.0	78-133		19.8	30	
o-Xylene	9.5		"	10.0		94.8	78-130		8.87	30	
p- & m- Xylenes	19		"	20.0		93.3	77-133		12.1	30	
p-Isopropyltoluene	8.9		"	10.0		88.7	81-136		14.9	30	
sec-Butylbenzene	8.7		"	10.0		87.1	79-137		16.9	30	
Styrene	9.5		"	10.0		95.0	67-132		6.52	30	
tert-Butyl alcohol (TBA)	78		"	50.0		157	25-162		53.0	30	Non-dir.
tert-Butylbenzene	8.2		"	10.0		82.2	77-138		17.6	30	
Tetrachloroethylene	7.2		"	10.0		71.5	82-131	Low Bias	13.9	30	
Toluene	9.2		"	10.0		92.0	80-127		12.1	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		10.7	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		94.5	78-131		2.79	30	
trans-1,4-dichloro-2-butene	11		"	10.0		106	63-141		22.8	30	
Trichloroethylene	8.9		"	10.0		89.4	82-128		14.1	30	
Trichlorofluoromethane	12		"	10.0		116	67-139		10.6	30	
Vinyl Chloride	10		"	10.0		101	58-145		11.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*8.88*		*"*	*10.0*		*88.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.29*		*"*	*10.0*		*92.9*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21829 - Preparation for GC Analysis											
Blank (BF21829-BLK1) Blank									Prepared & Analyzed: 06/29/2022		
Methane	ND	5.0	ug/L								
Ethane	ND	5.0	"								
Ethylene (Ethene)	ND	5.0	"								
Duplicate (BF21829-DUP1) Duplicate	*Source sample: 22F1322-03 (Duplicate)								Prepared & Analyzed: 06/29/2022		
Methane	960	5.0	ug/L		900				7.24	35	
Ethane	ND	5.0	"		ND					35	
Ethylene (Ethene)	ND	5.0	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21861 - EPA 3015A											
Blank (BF21861-BLK1) Blank								Prepared: 06/29/2022 Analyzed: 07/01/2022			
Iron	ND	0.278	mg/L								
LCS (BF21861-BS1) LCS								Prepared: 06/29/2022 Analyzed: 07/01/2022			
Iron	1.11		ug/mL	1.00		111	80-120				
Duplicate (BF21861-DUP1) Duplicate	*Source sample: 22F1254-03 (305_LMW-37)							Prepared: 06/29/2022 Analyzed: 07/01/2022			
Iron	8.52	0.278	mg/L		9.04				5.95	20	
Matrix Spike (BF21861-MS1) Matrix Spike	*Source sample: 22F1254-03 (305_LMW-37)							Prepared: 06/29/2022 Analyzed: 07/01/2022			
Iron	10.3	0.278	mg/L	1.11	9.04	117	75-125				
Post Spike (BF21861-PS1) Post Spike	*Source sample: 22F1254-03 (305_LMW-37)							Prepared: 06/29/2022 Analyzed: 07/01/2022			
Iron	7.88		ug/mL	1.00	9.04	NR	75-125	Low Bias			
Batch BF21935 - EPA 3015A											
Blank (BF21935-BLK1) Blank								Prepared: 06/30/2022 Analyzed: 07/01/2022			
Iron	ND	0.278	mg/L								
Manganese	ND	0.00556	"								
LCS (BF21935-BS1) LCS								Prepared: 06/30/2022 Analyzed: 07/01/2022			
Iron	0.931		ug/mL	1.00		93.1	80-120				
Manganese	0.546		"	0.500		109	80-120				
Duplicate (BF21935-DUP1) Duplicate	*Source sample: 22F1254-06 (310_LMW-42)							Prepared: 06/30/2022 Analyzed: 07/01/2022			
Iron	33.4	0.278	mg/L		30.9				7.70	20	
Manganese	1.50	0.00556	"		1.50				0.300	20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21935 - EPA 3015A											
Matrix Spike (BF21935-MS1) Matrix Spike	*Source sample: 22F1254-06 (310_LMW-42)								Prepared: 06/30/2022 Analyzed: 07/01/2022		
Iron	22.9	0.278	mg/L	1.11	30.9	NR	75-125	Low Bias			
Manganese	2.17	0.00556	"	0.556	1.50	120	75-125				
Post Spike (BF21935-PS1) Post Spike	*Source sample: 22F1254-06 (310_LMW-42)								Prepared: 06/30/2022 Analyzed: 07/01/2022		
Iron	47.0		ug/mL	1.00	30.9	NR	75-125	High Bias			
Manganese	1.94		"	0.500	1.50	88.7	75-125				
Batch BG20030 - EPA 3015A											
Blank (BG20030-BLK1) Blank									Prepared & Analyzed: 07/01/2022		
Iron	ND	0.278	mg/L								
Manganese	ND	0.00556	"								
LCS (BG20030-BS1) LCS									Prepared & Analyzed: 07/01/2022		
Iron	0.882		ug/mL	1.00		88.2	80-120				
Manganese	0.543		"	0.500		109	80-120				
Duplicate (BG20030-DUP1) Duplicate	*Source sample: 22F1380-06 (Duplicate)								Prepared & Analyzed: 07/01/2022		
Iron	2.77	0.278	mg/L		2.35				16.2	20	
Manganese	0.240	0.00556	"		0.215				11.0	20	
Matrix Spike (BG20030-MS1) Matrix Spike	*Source sample: 22F1380-06 (Matrix Spike)								Prepared & Analyzed: 07/01/2022		
Iron	4.07	0.278	mg/L	1.11	2.35	155	75-125	High Bias			
Manganese	0.836	0.00556	"	0.556	0.215	112	75-125				
Post Spike (BG20030-PS1) Post Spike	*Source sample: 22F1380-06 (Post Spike)								Prepared & Analyzed: 07/01/2022		
Iron	3.10		ug/mL	1.00	2.35	75.1	75-125				
Manganese	0.742		"	0.500	0.215	105	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20047 - EPA 3015A												
Blank (BG20047-BLK1)	Blank									Prepared: 07/01/2022 Analyzed: 07/05/2022		
Iron - Dissolved		ND	0.278	mg/L								
Manganese - Dissolved		ND	0.00556	"								
LCS (BG20047-BS1)	LCS									Prepared: 07/01/2022 Analyzed: 07/05/2022		
Iron - Dissolved		1.17		ug/mL	1.00		117	80-120				
Manganese - Dissolved		0.564		"	0.500		113	80-120				
Duplicate (BG20047-DUP1)	Duplicate	*Source sample: 22F1254-11 (315_LMW-46)								Prepared: 07/01/2022 Analyzed: 07/05/2022		
Iron - Dissolved		ND	0.278	mg/L		ND					20	
Manganese - Dissolved		0.861	0.00556	"		0.794				8.15	20	
Matrix Spike (BG20047-MS1)	Matrix Spike	*Source sample: 22F1254-11 (315_LMW-46)								Prepared: 07/01/2022 Analyzed: 07/05/2022		
Iron - Dissolved		1.31	0.278	mg/L	1.11	ND	118	75-125				
Manganese - Dissolved		1.43	0.00556	"	0.556	0.794	114	75-125				
Post Spike (BG20047-PS1)	Post Spike	*Source sample: 22F1254-11 (315_LMW-46)								Prepared: 07/01/2022 Analyzed: 07/05/2022		
Iron - Dissolved		1.20		ug/mL	1.00	0.0248	118	75-125				
Manganese - Dissolved		1.33		"	0.500	0.794	107	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21680 - EPA 300											
Blank (BF21680-BLK1) Blank									Prepared: 06/23/2022 Analyzed: 06/24/2022		
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BF21680-BS1) LCS									Prepared: 06/23/2022 Analyzed: 06/24/2022		
Chloride	10.1	0.500	mg/L	10.0		101	90-110				
Nitrate as N	10.2	0.0500	"	10.0		102	90-110				
Nitrite as N	10.3	0.0500	"	10.0		103	90-110				
Sulfate	10.7	1.00	"	10.0		107	85-115				
Duplicate (BF21680-DUP1) Duplicate *Source sample: 22F1254-03 (305_LMW-37)									Prepared: 06/23/2022 Analyzed: 06/24/2022		
Chloride	275	0.500	mg/L		484				55.1	15	Non-dir.
Nitrate as N	ND	0.0500	"		ND					15	
Nitrite as N	ND	0.0500	"		ND					15	
Sulfate	231	1.00	"		325				33.7	15	Non-dir.
Matrix Spike (BF21680-MS1) Matrix Spike *Source sample: 22F1254-03 (305_LMW-37)									Prepared: 06/23/2022 Analyzed: 06/24/2022		
Chloride	257	0.500	mg/L	10.0	484	NR	85-115	Low Bias			
Nitrate as N	10.0	0.0500	"	10.0	ND	100	90-110				
Nitrite as N	9.29	0.0500	"	10.0	ND	92.9	90-110				
Sulfate	217	1.00	"	10.0	325	NR	85-115	Low Bias			
Matrix Spike (BF21680-MS2) Matrix Spike *Source sample: 22F1254-01 (303_LMW-35)									Prepared: 06/23/2022 Analyzed: 06/24/2022		
Chloride	287	0.500	mg/L	10.0	349	NR	85-115	Low Bias			
Nitrate as N	9.91	0.0500	"	10.0	ND	99.1	90-110				
Nitrite as N	9.28	0.0500	"	10.0	ND	92.8	90-110				
Sulfate	330	1.00	"	10.0	162	NR	85-115	High Bias			

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21787 - EPA 300												
Blank (BF21787-BLK1)	Blank								Prepared & Analyzed: 06/27/2022			
Chloride		ND	0.500	mg/L								
Sulfate		ND	1.00	"								
LCS (BF21787-BS1)	LCS								Prepared & Analyzed: 06/27/2022			
Chloride		9.55	0.500	mg/L	10.0		95.5	90-110				
Sulfate		10.1	1.00	"	10.0		101	85-115				
Duplicate (BF21787-DUP1)	Duplicate	*Source sample: 22F1322-03 (Duplicate)							Prepared: 06/27/2022 Analyzed: 06/28/2022			
Chloride		477	10.0	mg/L		499				4.56	15	
Sulfate		97.5	20.0	"		103				5.34	15	
Matrix Spike (BF21787-MS1)	Matrix Spike	*Source sample: 22F1322-03 (Matrix Spike)							Prepared & Analyzed: 06/27/2022			
Chloride		351	5.00	mg/L	10.0	499	NR	85-115	Low Bias			
Sulfate		81.8	10.0	"	10.0	103	NR	85-115	Low Bias			
Matrix Spike (BF21787-MS2)	Matrix Spike	*Source sample: 22F1322-01 (Matrix Spike)							Prepared & Analyzed: 06/27/2022			
Chloride		410	5.00	mg/L	10.0	527	NR	85-115	Low Bias			
Sulfate		255	10.0	"	10.0	289	NR	85-115	Low Bias			
Batch BF21954 - EPA 300												
Blank (BF21954-BLK1)	Blank								Prepared: 06/29/2022 Analyzed: 06/30/2022			
Chloride		ND	0.500	mg/L								
LCS (BF21954-BS1)	LCS								Prepared: 06/29/2022 Analyzed: 06/30/2022			
Chloride		9.05	0.500	mg/L	10.0		90.5	90-110				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21954 - EPA 300											
Duplicate (BF21954-DUP1) Duplicate	*Source sample: 22F1518-01 (Duplicate)								Prepared: 06/29/2022 Analyzed: 06/30/2022		
Chloride	34.6	0.500	mg/L		34.4				0.548	15	
Matrix Spike (BF21954-MS1) Matrix Spike	*Source sample: 22F1518-01 (Matrix Spike)								Prepared: 06/29/2022 Analyzed: 06/30/2022		
Chloride	29.6	0.500	mg/L	10.0	34.4	NR	85-115	Low Bias			
Matrix Spike (BF21954-MS2) Matrix Spike	*Source sample: 22F1518-02 (Matrix Spike)								Prepared: 06/29/2022 Analyzed: 06/30/2022		
Chloride	31.1	0.500	mg/L	10.0	24.1	69.3	85-115	Low Bias			

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21705 - Analysis Preparation											
Duplicate (BF21705-DUP1) Duplicate	*Source sample: 22F1254-03 (305_LMW-37)								Prepared & Analyzed: 06/28/2022		
Alkalinity, total	360	2.0	mg/L		360				0.00	15	
Reference (BF21705-SRM1) Reference									Prepared & Analyzed: 06/28/2022		
Alkalinity, total	160		mg/L	154		101	90.26-109.74				
Batch BF21821 - Analysis Preparation											
Duplicate (BF21821-DUP1) Duplicate	*Source sample: 22F1254-11 (315_LMW-46)								Prepared & Analyzed: 06/29/2022		
Alkalinity, total	260	2.0	mg/L		260				3.08	15	
Reference (BF21821-SRM1) Reference									Prepared & Analyzed: 06/29/2022		
Alkalinity, total	150		mg/L	154		98.7	90.26-109.74				
Batch BF21908 - Analysis Preparation											
Blank (BF21908-BLK1) Blank									Prepared & Analyzed: 06/30/2022		
Sulfide	ND	1.0	mg/L								
LCS (BF21908-BS1) LCS									Prepared & Analyzed: 06/30/2022		
Sulfide	45	1.0	mg/L	50.0		89.6	80-120				
Duplicate (BF21908-DUP1) Duplicate	*Source sample: 22F1254-01 (303_LMW-35)								Prepared & Analyzed: 06/30/2022		
Sulfide	1.6	1.0	mg/L		1.6				0.00	15	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21711 - % Solids Prep												
Blank (BF21711-BLK1)	Blank									Prepared & Analyzed: 06/28/2022		
Total Dissolved Solids		ND	1.00	mg/L								
Duplicate (BF21711-DUP1)	Duplicate	*Source sample: 22F1132-01 (Duplicate)								Prepared & Analyzed: 06/28/2022		
Total Dissolved Solids		152	10.0	mg/L		139				8.93	15	
Duplicate (BF21711-DUP2)	Duplicate	*Source sample: 22F1254-02 (304_LMW-36)								Prepared & Analyzed: 06/28/2022		
Total Dissolved Solids		1710	20.0	mg/L		1700				0.704	15	
Batch BF21881 - % Solids Prep												
Blank (BF21881-BLK1)	Blank									Prepared & Analyzed: 06/29/2022		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BF21881-DUP1)	Duplicate	*Source sample: 22F1254-03 (305_LMW-37)								Prepared & Analyzed: 06/29/2022		
Total Dissolved Solids		1530	10.0	mg/L		1540				0.521	15	
Duplicate (BF21881-DUP2)	Duplicate	*Source sample: 22F1322-03 (Duplicate)								Prepared & Analyzed: 06/29/2022		
Total Dissolved Solids		1530	10.0	mg/L		1550				1.56	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22F1254-01	303_LMW-35	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-02	304_LMW-36	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-03	305_LMW-37	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-04	308_LMW-40	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-05	309_LMW-41	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-06	310_LMW-42	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-07	311_LMW-43	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-08	312_LMW-44	40mL 01_Clear Vial Cool to 4° C
22F1254-09	313_20220623_FB	40mL 01_Clear Vial Cool to 4° C
22F1254-10	314_20220623_TB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1254-11	315_LMW-46	40mL 01_Clear Vial Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Container of 250 mL amber w/H3PO4 for TOC of sample 304_LMW-36 was unused (no filling) by the client

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22P1254

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN ENGINEERING	Company:	Company:	100766601	RUSH - Next Day
Address: 300 KIMBALL DR PARSIPPANY NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 23-30 Borden Ave	RUSH - Two Day
Phone: 973-560-4900	Phone:	Phone:		RUSH - Three Day
Contact: S HAINES	Contact: Areona Boodram	Contact:		RUSH - Four Day
E-mail: shaines@langan.com	E-mail: Aboodram@langan.com	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

SAM HAINES

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
303_LMW-35	GW	6/23/22 0900	(VOCs, Total + Diss Iron, Total + Diss. Manganese, Nitrate, Nitrite, Sulfate, Sulfide, Chloride, Methane, Ethene, Ethane, TOC, TDS, Alkalinity	7x40mL, 1x500mL plastic, 3x250mL plastic, 1x amber
304_LMW-36	GW	6/23/22 1100		
305_LMW-37	GW	6/23/22 0900		
308_LMW-40	GW	6/23/22 1250		
309_LMW-41	GW	6/23/22 1120		
310_LMW-42	GW	6/23/22 1420		
311_LMW-43	GW	6/23/22 1330		
312_LMW-44	GW	6/23/22 1530		
313_20220623_FB	AQ	6/23/22 1200		
314_20220623_TB	AQ	—	VOCs	2x 40mL

Comments: * 5 day turnaround time

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___ ZnAc X Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter X

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
(Langan)	6/23/22 1540	Andrew S. Lark	6/23/22 1545	Andrew S. Lark	6/23/22 1836
I. B	6.23.22 1836	I. B	6.23.22		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					6/23/22 1915 5.0 °C

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22P1254

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN ENGINEERING	Company:	Company:	100766601	RUSH - Next Day
Address: 300 KIMBALL DR PARSIPPANY NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 23-30 Bodet Ave	RUSH - Two Day
Phone: 973-560-4900	Phone:	Phone:		RUSH - Three Day
Contact: S. HAINES	Contact: A. BOODRAM	Contact:		RUSH - Four Day
E-mail: shaines@langan.com	E-mail: aboodram@langan.com	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

SAM HAINES

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)
Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
315-LMW-46	AQ	6/23/22 1540	(VOCs, Total + Diss Iron, Total + Diss Mn, Nitrate, Nitrite, Sulfate, Sulfide, Chloride, Methane, Ethene, Ethane, TOC, TDS, Alkalinity	7x40mL, 1x 500mL, 3x 250mL, 1x amber

Comments: * 5-day Turn TAT

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter X

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
[signature] (Langan)	6/23/22 1545	Andrew S. York	6/23/22 1545	Andrew S. York	6/23/22 1836
2 Samples Relinquished by / Company	Date/Time	2 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time
I.B	6.23.22 1836	I.B	6.23.22		
3 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	6/23/22 1957 5.0 Degrees C

Wednesday, July 06, 2022

Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Project ID: 22F1254
SDG ID: GCL66337
Sample ID#s: CL66337 - CL66346

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

SDG Comments

July 06, 2022

SDG I.D.: GCL66337

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

July 06, 2022

SDG I.D.: GCL66337

Project ID: 22F1254

Client Id	Lab Id	Matrix
22F1254-01	CL66337	WATER
22F1254-02	CL66338	WATER
22F1254-03	CL66339	WATER
22F1254-04	CL66340	WATER
22F1254-05	CL66341	WATER
22F1254-06	CL66342	WATER
22F1254-07	CL66343	WATER
22F1254-08	CL66344	WATER
22F1254-09	CL66345	WATER
22F1254-11	CL66346	WATER

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	9:00
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66337

Project ID: 22F1254
Client ID: 22F1254-01

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	14.5	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	11:00
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66338

Project ID: 22F1254
Client ID: 22F1254-02

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	49.7	5.0	5.0	mg/L	5	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	9:00
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66339

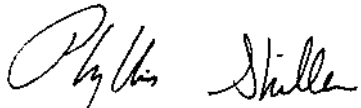
Project ID: 22F1254
Client ID: 22F1254-03

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	8.8	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	12:50
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66340

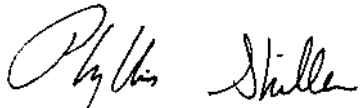
Project ID: 22F1254
Client ID: 22F1254-04

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	35.5	5.0	5.0	mg/L	5	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	11:20
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66341

Project ID: 22F1254
Client ID: 22F1254-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	6.8	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	14:20
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66342

Project ID: 22F1254
Client ID: 22F1254-06

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	21.1	5.0	5.0	mg/L	5	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	13:30
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66343

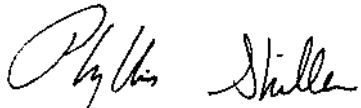
Project ID: 22F1254
Client ID: 22F1254-07

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	10.6	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	15:30
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66344

Project ID: 22F1254
Client ID: 22F1254-08

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	7.6	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	12:00
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66345

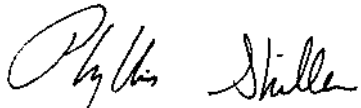
Project ID: 22F1254
Client ID: 22F1254-09

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	ND	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/23/22	15:40
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1254				

Laboratory Data

SDG ID: GCL66337
Phoenix ID: CL66346

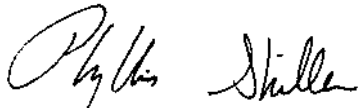
Project ID: 22F1254
Client ID: 22F1254-11

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	6.3	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Wednesday, July 06, 2022

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCL66337 - YORK

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

WCIP
7.9

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1254

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

SENDING LABORATORY:

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Phone: 203.325.1371
Fax: 203.357.0166
Contact: **York Analytical**

RECEIVING LABORATORY:

Phoenix Environmental Laboratories, Inc. S
587 East Middle Turnpike P.O. Box 370
Manchester, CT 06045
Phone :(860) 645-1102
Fax: (860) 645-0823

Sample ID: 303_LMW-35 66337 **York Ref: 22F1254-01**

Matrix: Water **Date Sampled :** 06/23/2022 09:00

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 09:00	

Containers Supplied:
10_250 ml Amber H3P04 (I)

Sample ID: 304_LMW-36 66338 **York Ref: 22F1254-02**

Matrix: Water **Date Sampled :** 06/23/2022 11:00

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 11:00	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Purchase Order No.: 22F1254 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE:** 07/08/2022

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Thien Dang	6/28/2022	6/29/22 0700	
Released By York Sample Control	Date	Received By	Date
6/29/22 1010		6/29 1030	
Received By	Date	Received in Subcontract Lab By	Date

WCIP 7.9

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1254

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

York Ref: 22F1254-03

Sample ID: 305_LMW-37 66339 **Matrix: Water** **Date Sampled : 06/23/2022 09:00**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 09:00	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Ref: 22F1254-04

Sample ID: 308_LMW-40 66340 **Matrix: Water** **Date Sampled : 06/23/2022 12:50**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 12:50	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Ref: 22F1254-05

Sample ID: 309_LMW-41 66341 **Matrix: Water** **Date Sampled : 06/23/2022 11:20**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 11:20	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Purchase Order No.: 22F1254 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/08/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Thien Dang	6/28/2022	6/28/22 0700	
Released By York Sample Control	Date	Received By	Date
6/24/22 1010		6/29 1030	
Received By	Date	Received in Subcontract Lab By	Date

WCIP 7.9

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1254

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

Sample ID: 310_LMW-42 66342 **Matrix: Water** **York Ref: 22F1254-06** **Date Sampled : 06/23/2022 14:20**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 14:20	

Containers Supplied:
10_250 ml Amber H3P04 (I)

Sample ID: 311_LMW-43 66343 **Matrix: Water** **York Ref: 22F1254-07** **Date Sampled : 06/23/2022 13:30**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 13:30	

Containers Supplied:
10_250 ml Amber H3P04 (I)

Sample ID: 312_LMW-44 66344 **Matrix: Water** **York Ref: 22F1254-08** **Date Sampled : 06/23/2022 15:30**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 15:30	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Purchase Order No.: 22F1254 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/08/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Thien Dang	6/28/2022	6/29/22 0700	
Released By York Sample Control	Date	Received By	Date
6/29/22 1010		6/29 10:30	
Received By	Date	Received in Subcontract Lab By	Date

WCIP 7.9

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1254

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

York Ref: 22F1254-09

Sample ID: 313_20220623_FB 66345 **Matrix: Water** **Date Sampled : 06/23/2022 12:00**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 12:00	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Ref: 22F1254-11

Sample ID: 315_LMW-46 66346 **Matrix: Water** **Date Sampled : 06/23/2022 15:40**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/07/2022 16:30	07/21/2022 15:40	

Containers Supplied:
10_250 ml Amber H3P04 (I)

York Purchase Order No.: 22F1254 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/08/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Thien Dang	6/28/2022	6/29/22 0700	
Released By York Sample Control	Date	Received By	Date
6/29/22 1010		6/29 1030	
Received By	Date	Received in Subcontract Lab By	Date

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 07/07/2022
Client Project ID: 100766601
York Project (SDG) No.: 22F1322

Report Date: 07/07/2022
Client Project ID: 100766601
York Project (SDG) No.: 22F1322

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 24, 2022 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

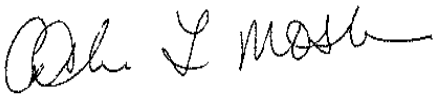
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22F1322-01	306_LMW_38	Water	06/24/2022	06/24/2022
22F1322-02	307_LMW_39	Water	06/24/2022	06/24/2022
22F1322-03	316_LMW_45	Water	06/24/2022	06/24/2022
22F1322-04	317_LMW_47	Water	06/24/2022	06/24/2022
22F1322-05	318_LMW_48	Water	06/24/2022	06/24/2022
22F1322-06	319_LMW_49	Water	06/24/2022	06/24/2022
22F1322-07	320_LMW_50	Water	06/24/2022	06/24/2022
22F1322-08	321_LMW_51	Water	06/24/2022	06/24/2022
22F1322-09	322_DUP	Water	06/24/2022	06/24/2022
22F1322-10	323_20220624TB	Water	06/24/2022	06/24/2022

General Notes for York Project (SDG) No.: 22F1322

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 07/07/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 306_LMW_38 **York Sample ID:** 22F1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:30 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**22**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**9.9**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 306_LMW_38 **York Sample ID:** 22F1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:30 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**2.0**	J	ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**8.9**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**4.8**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**2.4**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 306_LMW_38 **York Sample ID:** 22F1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:30 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**77**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**20**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**7.7**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**12**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**21**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**26**		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**2.7**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**1.9**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 306_LMW_38 **York Sample ID:** 22F1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:30 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**71**		ug/L	1.0	2.5	5	EPA 8260C	07/07/2022 09:00	07/07/2022 12:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**48**		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:19	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.5 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**760**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:35	RB
							Certifications:			
74-84-0	*** Ethane**	**7.2**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:35	RB
							Certifications:			
74-85-1	*** Ethylene (Ethene)**	**6.8**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:35	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**35.0**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 12:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.00**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 11:47	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.46**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 12:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 306_LMW_38 **York Sample ID:** 22F1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:30 pm	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.09**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 11:47	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**527**		mg/L	10.0	20	EPA 300.0	06/30/2022 16:08	07/01/2022 11:53	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 18:45	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 18:45	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**289**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/27/2022 22:52	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**430**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.4**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 306_LMW_38 **York Sample ID:** 22F1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:30 pm	06/24/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1620**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**4.0**		mg/L	1.0	1	SM 5310B	07/01/2022 12:38	07/01/2022 12:38	PHO
							Certifications:			

Sample Information

Client Sample ID: 307_LMW_39 **York Sample ID:** 22F1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 11:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**3.9**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**2.4**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 307_LMW_39 **York Sample ID:** 22F1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 11:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.1**	J	ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**14**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**5.5**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**2.4**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 307_LMW_39 **York Sample ID:** 22F1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 11:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**24**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**6.2**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**7.1**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**2.6**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**9.2**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**9.0**		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.46**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 307_LMW_39 **York Sample ID:** 22F1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 11:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**24**		ug/L	2.0	5.0	10	EPA 8260C	07/07/2022 09:00	07/07/2022 13:09	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**18**		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 01:47	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*115 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.2 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**620**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:43	RB
							Certifications:			
74-84-0	*** Ethane**	**7.7**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:43	RB
							Certifications:			
74-85-1	*** Ethylene (Ethene)**	**8.2**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:43	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**8.31**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 12:50	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 11:50	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.665**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 12:50	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 307_LMW_39 **York Sample ID:** 22F1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 11:40 am	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.610**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 11:50	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**374**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/27/2022 23:35	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 19:27	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 19:27	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**228**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/27/2022 23:35	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**260**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.4**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 307_LMW_39 **York Sample ID:** 22F1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 11:40 am	06/24/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1370**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**7.2**		mg/L	1.0	1	SM 5310B	07/01/2022 12:52	07/01/2022 12:52	PHO
							Certifications:			

Sample Information

Client Sample ID: 316_LMW_45 **York Sample ID:** 22F1322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 316_LMW_45 **York Sample ID:** 22F1322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**2.4**		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 316_LMW_45 **York Sample ID:** 22F1322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 316_LMW_45 **York Sample ID:** 22F1322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:15	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.7 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**900**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:52	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:52	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 12:52	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**29.0**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 12:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 11:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.89**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 12:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 316_LMW_45 **York Sample ID:** 22F1322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.82**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 11:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**499**		mg/L	10.0	20	EPA 300.0	06/27/2022 17:48	06/28/2022 19:16	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 17:42	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 17:42	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**103**		mg/L	20.0	20	EPA 300.0	06/27/2022 17:48	06/28/2022 19:16	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**250**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 316_LMW_45 **York Sample ID:** 22F1322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1550**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.7**		mg/L	1.0	1	SM 5310B	07/01/2022 13:06	07/01/2022 13:06	PHO
							Certifications:			

Sample Information

Client Sample ID: 317_LMW_47 **York Sample ID:** 22F1322-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 317_LMW_47 **York Sample ID:** 22F1322-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	**Chloroethane**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 317_LMW_47 **York Sample ID:** 22F1322-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 317_LMW_47 **York Sample ID:** 22F1322-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 02:43	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.2 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**750**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:11	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:11	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:11	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**19.5**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:05	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**8.97**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.44**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:05	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 317_LMW_47 **York Sample ID:** 22F1322-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.20**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**113**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/27/2022 23:56	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 19:48	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 19:48	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/27/2022 23:56	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**250**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.4**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 317_LMW_47 **York Sample ID:** 22F1322-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 8:30 am	06/24/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**581**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.3**		mg/L	1.0	1	SM 5310B	07/01/2022 13:48	07/01/2022 13:48	PHO
							Certifications:			

Sample Information

Client Sample ID: **318_LMW_48** **York Sample ID:** **22F1322-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 10:20 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**2.1**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	**1,1,2-Trichloroethane**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**9.7**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	**1,1-Dichloroethylene**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	**1,2-Dichloroethane**	**0.79**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 318_LMW_48 **York Sample ID:** 22F1322-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 10:20 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	**4-Methyl-2-pentanone**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**2.3**		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**2.4**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	**Chloroethane**	**0.92**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**23**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 318_LMW_48 **York Sample ID:** 22F1322-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 10:20 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.72**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.57**	J	ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	**tert-Butyl alcohol (TBA)**	**1.0**		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.61**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 318_LMW_48 **York Sample ID:** 22F1322-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 10:20 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**29**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**1.3**	J	ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:12	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.0 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**320**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:19	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:19	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:19	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.76**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:08	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.365**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:08	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 318_LMW_48 **York Sample ID:** 22F1322-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 10:20 am	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.362**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**398**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 00:17	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 20:09	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 20:09	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**192**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 00:17	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**210**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 318_LMW_48 **York Sample ID:** 22F1322-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 10:20 am	06/24/2022

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1160**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.2**		mg/L	1.0	1	SM 5310B	07/01/2022 14:02	07/01/2022 14:02	PHO
							Certifications:			

Sample Information

Client Sample ID: 319_LMW_49 **York Sample ID:** 22F1322-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 12:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**5.3**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**9.8**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	**1,1-Dichloroethylene**	**0.71**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	**1,2-Dichloroethane**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 319_LMW_49 **York Sample ID:** 22F1322-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 12:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.8**	J	ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**0.77**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 319_LMW_49 **York Sample ID:** 22F1322-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 12:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.94**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 319_LMW_49 **York Sample ID:** 22F1322-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 12:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**0.80**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 03:40	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.4 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**570**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:26	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:26	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:26	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**7.75**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:11	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:20	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.742**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:11	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 319_LMW_49 **York Sample ID:** 22F1322-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 12:00 pm	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.689**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:20	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**330**		mg/L	5.00	10	EPA 300.0	06/27/2022 17:48	06/28/2022 01:21	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 21:13	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 21:13	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**188**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 01:21	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**150**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.3**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 319_LMW_49 **York Sample ID:** 22F1322-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 12:00 pm	06/24/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1050**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6.1**		mg/L	1.0	1	SM 5310B	07/01/2022 14:16	07/01/2022 14:16	PHO
							Certifications:			

Sample Information

Client Sample ID: 320_LMW_50 **York Sample ID:** 22F1322-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:40 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 320_LMW_50 **York Sample ID:** 22F1322-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:40 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.1**	J	ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 320_LMW_50 **York Sample ID:** 22F1322-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:40 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 320_LMW_50 **York Sample ID:** 22F1322-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:40 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:08	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.7 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**300**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:33	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:33	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:33	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**5.44**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:23	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.767**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 320_LMW_50 **York Sample ID:** 22F1322-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:40 pm	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.749**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:23	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**600**		mg/L	10.0	20	EPA 300.0	06/30/2022 16:08	07/01/2022 09:02	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 21:34	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 21:34	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**203**		mg/L	20.0	20	EPA 300.0	06/27/2022 17:48	06/28/2022 01:42	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**110**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 320_LMW_50 **York Sample ID:** 22F1322-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 1:40 pm	06/24/2022

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**2360**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.1**		mg/L	1.0	1	SM 5310B	07/01/2022 14:30	07/01/2022 14:30	PHO
							Certifications:			

Sample Information

Client Sample ID: 321_LMW_51 **York Sample ID:** 22F1322-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 321_LMW_51 **York Sample ID:** 22F1322-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.2**	J	ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 321_LMW_51 **York Sample ID:** 22F1322-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 321_LMW_51 **York Sample ID:** 22F1322-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:40 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 04:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.4 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**160**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:40	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:40	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:40	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.295**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:23	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.41**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:23	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 321_LMW_51 **York Sample ID:** 22F1322-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:40 am	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.44**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**1020**		mg/L	40.0	80	EPA 300.0	06/30/2022 16:08	07/01/2022 15:34	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.112**		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 21:55	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 21:55	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**177**		mg/L	20.0	20	EPA 300.0	06/27/2022 17:48	06/28/2022 02:03	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**120**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 321_LMW_51 **York Sample ID:** 22F1322-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:40 am	06/24/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**2260**		mg/L	10.0	1	SM 2540C-2015	06/29/2022 17:24	06/29/2022 17:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.1**		mg/L	1.0	1	SM 5310B	07/01/2022 14:44	07/01/2022 14:44	PHO
							Certifications:			

Sample Information

Client Sample ID: 322_DUP **York Sample ID:** 22F1322-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:45 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 322_DUP **York Sample ID:** 22F1322-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:45 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.2**	J	ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 322_DUP **York Sample ID:** 22F1322-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:45 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 322_DUP **York Sample ID:** 22F1322-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:45 am	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/06/2022 12:30	07/07/2022 05:05	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.1 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**140**		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:48	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:48	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	5.0	1	GC/Headspace	06/29/2022 10:22	06/29/2022 13:48	RB
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.297**		mg/L	0.278	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.41**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:40	07/06/2022 13:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 322_DUP **York Sample ID:** 22F1322-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:45 am	06/24/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.44**		mg/L	0.00556	1	EPA 6010D	07/05/2022 14:46	07/06/2022 12:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**2060**		mg/L	40.0	80	EPA 300.0	06/30/2022 16:08	07/01/2022 15:55	ZTS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.112**		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 22:16	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/25/2022 15:05	06/25/2022 22:16	ZTS
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**188**		mg/L	10.0	10	EPA 300.0	06/27/2022 17:48	06/28/2022 02:24	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**120**		mg/L	2.0	1	SM 2320B	07/01/2022 08:27	07/01/2022 13:09	VR
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	07/01/2022 09:20	07/01/2022 16:16	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 322_DUP **York Sample ID:** 22F1322-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 9:45 am	06/24/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**2100**		mg/L	10.0	1	SM 2540C-2015	06/30/2022 17:00	06/30/2022 17:00	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analyzed by: Phoenix Environmental Laboratories, Inc. S

Total Organic Carbon (TOC-SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.2**		mg/L	1.0	1	SM 5310B	07/01/2022 14:57	07/01/2022 14:57	PHO
							Certifications:			

Sample Information

Client Sample ID: 323_20220624TB **York Sample ID:** 22F1322-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 3:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 323_20220624TB **York Sample ID:** 22F1322-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 3:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.29**	J, B	ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 323_20220624TB **York Sample ID:** 22F1322-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 3:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**4.0**		ug/L	1.0	2.0	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 323_20220624TB **York Sample ID:** 22F1322-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1322	100766601	Water	June 24, 2022 3:00 pm	06/24/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	07/01/2022 12:30	07/02/2022 02:41	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.0 %*	*79-122*

Analytical Batch Summary

Batch ID: 7/1/2022 1:06:53 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-03	316_LMW_45	07/01/22

Batch ID: 7/1/2022 1:48:57 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-04	317_LMW_47	07/01/22

Batch ID: 7/1/2022 12:38:40 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	07/01/22

Batch ID: 7/1/2022 12:52:50 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-02	307_LMW_39	07/01/22

Batch ID: 7/1/2022 2:02:40 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-05	318_LMW_48	07/01/22

Batch ID: 7/1/2022 2:16:31 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-06	319_LMW_49	07/01/22

Batch ID: 7/1/2022 2:30:21 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-07	320_LMW_50	07/01/22

Batch ID: 7/1/2022 2:44:01 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-08	321_LMW_51	07/01/22

Batch ID: 7/1/2022 2:57:43 PM **Preparation Method:** *** DEFAULT PREP *** **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-09	322_DUP	07/01/22

Batch ID: BF21686 **Preparation Method:** EPA 300 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	06/25/22
22F1322-02	307_LMW_39	06/25/22
22F1322-03	316_LMW_45	06/25/22
22F1322-04	317_LMW_47	06/25/22
22F1322-05	318_LMW_48	06/25/22
22F1322-06	319_LMW_49	06/25/22
22F1322-07	320_LMW_50	06/25/22
22F1322-08	321_LMW_51	06/25/22
22F1322-09	322_DUP	06/25/22
BF21686-BLK1	Blank	06/25/22
BF21686-BS1	LCS	06/25/22
BF21686-DUP1	Duplicate	06/25/22
BF21686-MS1	Matrix Spike	06/25/22
BF21686-MS2	Matrix Spike	06/25/22

Batch ID: BF21787 **Preparation Method:** EPA 300 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	06/27/22
22F1322-02	307_LMW_39	06/27/22
22F1322-03	316_LMW_45	06/27/22
22F1322-04	317_LMW_47	06/27/22
22F1322-05	318_LMW_48	06/27/22
22F1322-06	319_LMW_49	06/27/22
22F1322-07	320_LMW_50	06/27/22
22F1322-08	321_LMW_51	06/27/22
22F1322-09	322_DUP	06/27/22
BF21787-BLK1	Blank	06/27/22
BF21787-BS1	LCS	06/27/22
BF21787-DUP1	Duplicate	06/27/22
BF21787-MS1	Matrix Spike	06/27/22
BF21787-MS2	Matrix Spike	06/27/22

Batch ID: BF21829 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	06/29/22
22F1322-02	307_LMW_39	06/29/22
22F1322-03	316_LMW_45	06/29/22
22F1322-04	317_LMW_47	06/29/22
22F1322-05	318_LMW_48	06/29/22
22F1322-06	319_LMW_49	06/29/22
22F1322-07	320_LMW_50	06/29/22



22F1322-08	321_LMW_51	06/29/22
22F1322-09	322_DUP	06/29/22
BF21829-BLK1	Blank	06/29/22
BF21829-DUP1	Duplicate	06/29/22

Batch ID: BF21881 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	06/29/22
22F1322-02	307_LMW_39	06/29/22
22F1322-03	316_LMW_45	06/29/22
22F1322-04	317_LMW_47	06/29/22
22F1322-05	318_LMW_48	06/29/22
22F1322-06	319_LMW_49	06/29/22
22F1322-07	320_LMW_50	06/29/22
22F1322-08	321_LMW_51	06/29/22
BF21881-BLK1	Blank	06/29/22
BF21881-DUP1	Duplicate	06/29/22
BF21881-DUP2	Duplicate	06/29/22

Batch ID: BF21967 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-09	322_DUP	06/30/22
BF21967-BLK1	Blank	06/30/22
BF21967-DUP1	Duplicate	06/30/22
BF21967-DUP2	Duplicate	06/30/22

Batch ID: BG20016 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	07/01/22
22F1322-02	307_LMW_39	07/01/22
22F1322-03	316_LMW_45	07/01/22
22F1322-04	317_LMW_47	07/01/22
22F1322-05	318_LMW_48	07/01/22
22F1322-06	319_LMW_49	07/01/22
22F1322-07	320_LMW_50	07/01/22
22F1322-08	321_LMW_51	07/01/22
22F1322-09	322_DUP	07/01/22
BG20016-DUP1	Duplicate	07/01/22
BG20016-SRM1	Reference	07/01/22

Batch ID: BG20019 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	07/01/22
22F1322-02	307_LMW_39	07/01/22
22F1322-03	316_LMW_45	07/01/22

22F1322-04	317_LMW_47	07/01/22
22F1322-05	318_LMW_48	07/01/22
22F1322-06	319_LMW_49	07/01/22
22F1322-07	320_LMW_50	07/01/22
22F1322-08	321_LMW_51	07/01/22
22F1322-09	322_DUP	07/01/22
BG20019-BLK1	Blank	07/01/22
BG20019-BS1	LCS	07/01/22
BG20019-DUP1	Duplicate	07/01/22

Batch ID: BG20024 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-10	323_20220624TB	07/01/22
BG20024-BLK1	Blank	07/01/22
BG20024-BLK2	Blank	07/01/22
BG20024-BS1	LCS	07/01/22
BG20024-BS2	LCS	07/01/22
BG20024-BSD1	LCS Dup	07/01/22
BG20024-BSD2	LCS Dup	07/01/22

Batch ID: BG20053 **Preparation Method:** EPA 300 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	06/30/22
22F1322-07	320_LMW_50	06/30/22
22F1322-08	321_LMW_51	06/30/22
22F1322-09	322_DUP	06/30/22
BG20053-BLK1	Blank	06/30/22
BG20053-BS1	LCS	06/30/22
BG20053-DUP1	Duplicate	06/30/22
BG20053-MS1	Matrix Spike	06/30/22
BG20053-MS2	Matrix Spike	06/30/22

Batch ID: BG20135 **Preparation Method:** EPA 3015A **Prepared By:** MJN

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	07/05/22
22F1322-02	307_LMW_39	07/05/22
22F1322-03	316_LMW_45	07/05/22
22F1322-04	317_LMW_47	07/05/22
22F1322-05	318_LMW_48	07/05/22
22F1322-06	319_LMW_49	07/05/22
22F1322-07	320_LMW_50	07/05/22
22F1322-08	321_LMW_51	07/05/22
22F1322-09	322_DUP	07/05/22
BG20135-BLK1	Blank	07/05/22
BG20135-BS1	LCS	07/05/22
BG20135-DUP1	Duplicate	07/05/22
BG20135-MS1	Matrix Spike	07/05/22



BG20135-PS1	Post Spike	07/05/22

Batch ID: BG20136 **Preparation Method:** EPA 3015A **Prepared By:** MJN

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	07/05/22
22F1322-02	307_LMW_39	07/05/22
22F1322-03	316_LMW_45	07/05/22
22F1322-04	317_LMW_47	07/05/22
22F1322-05	318_LMW_48	07/05/22
22F1322-06	319_LMW_49	07/05/22
22F1322-07	320_LMW_50	07/05/22
22F1322-08	321_LMW_51	07/05/22
22F1322-09	322_DUP	07/05/22
BG20136-BLK1	Blank	07/05/22
BG20136-BS1	LCS	07/05/22
BG20136-DUP1	Duplicate	07/05/22
BG20136-MS1	Matrix Spike	07/05/22
BG20136-PS1	Post Spike	07/05/22

Batch ID: BG20178 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01	306_LMW_38	07/06/22
22F1322-02	307_LMW_39	07/06/22
22F1322-03	316_LMW_45	07/06/22
22F1322-04	317_LMW_47	07/06/22
22F1322-05	318_LMW_48	07/06/22
22F1322-06	319_LMW_49	07/06/22
22F1322-07	320_LMW_50	07/06/22
22F1322-08	321_LMW_51	07/06/22
22F1322-09	322_DUP	07/06/22
BG20178-BLK1	Blank	07/06/22
BG20178-BS1	LCS	07/06/22
BG20178-BSD1	LCS Dup	07/06/22
BG20178-MS1	Matrix Spike	07/06/22
BG20178-MSD1	Matrix Spike Dup	07/06/22

Batch ID: BG20268 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22F1322-01RE1	306_LMW_38	07/07/22
22F1322-01RE2	306_LMW_38	07/07/22
22F1322-02RE1	307_LMW_39	07/07/22
BG20268-BLK1	Blank	07/07/22
BG20268-BS1	LCS	07/07/22
BG20268-BSD1	LCS Dup	07/07/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
Blank (BG20024-BLK1) Blank									Prepared: 07/01/2022 Analyzed: 07/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	0.31	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
Blank (BG20024-BLK1) Blank									Prepared: 07/01/2022 Analyzed: 07/02/2022		
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*79-122*				
Blank (BG20024-BLK2) Blank									Prepared: 07/01/2022 Analyzed: 07/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
Blank (BG20024-BLK2) Blank									Prepared: 07/01/2022 Analyzed: 07/02/2022		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	0.28	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
LCS (BG20024-BS1) LCS							Prepared & Analyzed: 07/01/2022				
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.4	82-126				
1,1,1-Trichloroethane	10		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.5		"	10.0		94.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		94.9	82-123				
1,1-Dichloroethane	10		"	10.0		100	82-129				
1,1-Dichloroethylene	10		"	10.0		100	68-138				
1,2,3-Trichlorobenzene	8.8		"	10.0		88.3	40-130				
1,2,3-Trichloropropane	9.3		"	10.0		93.1	77-128				
1,2,4-Trichlorobenzene	8.8		"	10.0		87.8	65-137				
1,2,4-Trimethylbenzene	9.2		"	10.0		91.7	82-132				
1,2-Dibromo-3-chloropropane	9.1		"	10.0		91.1	45-147				
1,2-Dibromoethane	9.6		"	10.0		95.9	83-124				
1,2-Dichlorobenzene	9.3		"	10.0		93.0	79-123				
1,2-Dichloroethane	10		"	10.0		105	73-132				
1,2-Dichloropropane	9.5		"	10.0		95.3	78-126				
1,3,5-Trimethylbenzene	9.0		"	10.0		90.4	80-131				
1,3-Dichlorobenzene	9.2		"	10.0		91.6	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		91.7	85-130				
1,4-Dioxane	240		"	210		116	10-349				
2-Butanone	8.6		"	10.0		86.1	49-152				
2-Hexanone	8.5		"	10.0		85.3	51-146				
4-Methyl-2-pentanone	9.1		"	10.0		91.2	57-145				
Acetone	6.9		"	10.0		69.4	14-150				
Acrolein	1.0		"	100		1.02	10-153	Low Bias			
Acrylonitrile	10		"	10.0		103	51-150				
Benzene	11		"	10.0		105	85-126				
Bromochloromethane	10		"	10.0		102	77-128				
Bromodichloromethane	9.3		"	10.0		93.4	79-128				
Bromoform	9.2		"	10.0		92.4	78-133				
Bromomethane	5.3		"	10.0		52.8	43-168				
Carbon disulfide	11		"	10.0		111	68-146				
Carbon tetrachloride	11		"	10.0		106	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	10		"	10.0		103	65-136				
Chloroform	11		"	10.0		105	82-128				
Chloromethane	5.9		"	10.0		59.4	43-155				
cis-1,2-Dichloroethylene	9.8		"	10.0		97.5	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		89.2	80-131				
Cyclohexane	9.4		"	10.0		94.1	63-149				
Dibromochloromethane	9.5		"	10.0		94.7	80-130				
Dibromomethane	9.3		"	10.0		93.4	72-134				
Dichlorodifluoromethane	5.9		"	10.0		59.3	44-144				
Ethyl Benzene	9.7		"	10.0		97.2	80-131				
Hexachlorobutadiene	8.5		"	10.0		85.4	67-146				
Isopropylbenzene	9.4		"	10.0		93.8	76-140				
Methyl acetate	8.3		"	10.0		83.0	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	8.7		"	10.0		86.6	72-143				
Methylene chloride	7.2		"	10.0		72.0	55-137				
n-Butylbenzene	8.4		"	10.0		83.8	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
LCS (BG20024-BS1) LCS								Prepared & Analyzed: 07/01/2022			
n-Propylbenzene	9.3		ug/L	10.0		93.1	78-133				
o-Xylene	9.8		"	10.0		98.0	78-130				
p- & m- Xylenes	20		"	20.0		101	77-133				
p-Isopropyltoluene	9.1		"	10.0		91.2	81-136				
sec-Butylbenzene	9.2		"	10.0		91.5	79-137				
Styrene	9.7		"	10.0		96.8	67-132				
tert-Butyl alcohol (TBA)	50		"	50.0		101	25-162				
tert-Butylbenzene	9.2		"	10.0		92.3	77-138				
Tetrachloroethylene	7.5		"	10.0		74.6	82-131	Low Bias			
Toluene	9.5		"	10.0		94.6	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		89.5	78-131				
trans-1,4-dichloro-2-butene	9.1		"	10.0		90.8	63-141				
Trichloroethylene	9.2		"	10.0		92.5	82-128				
Trichlorofluoromethane	10		"	10.0		101	67-139				
Vinyl Chloride	8.7		"	10.0		86.7	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.64*		*"*	*10.0*		*96.4*	*79-122*				
LCS (BG20024-BS2) LCS								Prepared & Analyzed: 07/01/2022			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	8.8		"	10.0		88.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	10		"	10.0		99.7	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	11		"	10.0		107	68-138				
1,2,3-Trichlorobenzene	9.8		"	10.0		98.5	40-130				
1,2,3-Trichloropropane	9.7		"	10.0		97.2	77-128				
1,2,4-Trichlorobenzene	9.6		"	10.0		95.8	65-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.4	82-132				
1,2-Dibromo-3-chloropropane	9.5		"	10.0		94.8	45-147				
1,2-Dibromoethane	10		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.9		"	10.0		98.7	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.7		"	10.0		96.7	80-131				
1,3-Dichlorobenzene	9.8		"	10.0		98.0	86-130				
1,4-Dichlorobenzene	9.8		"	10.0		98.5	85-130				
1,4-Dioxane	250		"	210		121	10-349				
2-Butanone	9.9		"	10.0		99.1	49-152				
2-Hexanone	9.5		"	10.0		95.3	51-146				
4-Methyl-2-pentanone	9.6		"	10.0		95.9	57-145				
Acetone	9.5		"	10.0		95.1	14-150				
Acrolein	1.1		"	100		1.09	10-153	Low Bias			
Acrylonitrile	10		"	10.0		102	51-150				
Benzene	11		"	10.0		111	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	9.9		"	10.0		98.9	79-128				
Bromoform	9.8		"	10.0		97.9	78-133				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
LCS (BG20024-BS2) LCS							Prepared & Analyzed: 07/01/2022				
Bromomethane	5.2		ug/L	10.0		51.5	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	11		"	10.0		106	65-136				
Chloroform	11		"	10.0		111	82-128				
Chloromethane	6.0		"	10.0		60.3	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	9.6		"	10.0		95.5	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	9.9		"	10.0		98.9	80-130				
Dibromomethane	9.9		"	10.0		98.9	72-134				
Dichlorodifluoromethane	6.7		"	10.0		66.6	44-144				
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	10		"	10.0		99.7	67-146				
Isopropylbenzene	10		"	10.0		99.6	76-140				
Methyl acetate	9.6		"	10.0		95.6	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135				
Methylcyclohexane	9.7		"	10.0		97.3	72-143				
Methylene chloride	7.9		"	10.0		79.2	55-137				
n-Butylbenzene	9.2		"	10.0		92.0	79-132				
n-Propylbenzene	9.9		"	10.0		99.3	78-133				
o-Xylene	10		"	10.0		105	78-130				
p- & m- Xylenes	22		"	20.0		108	77-133				
p-Isopropyltoluene	9.9		"	10.0		99.2	81-136				
sec-Butylbenzene	9.9		"	10.0		99.4	79-137				
Styrene	10		"	10.0		104	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		105	25-162				
tert-Butylbenzene	10		"	10.0		99.6	77-138				
Tetrachloroethylene	8.0		"	10.0		79.6	82-131	Low Bias			
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	9.4		"	10.0		94.4	78-131				
trans-1,4-dichloro-2-butene	9.8		"	10.0		97.5	63-141				
Trichloroethylene	11		"	10.0		108	82-128				
Trichlorofluoromethane	11		"	10.0		111	67-139				
Vinyl Chloride	9.1		"	10.0		91.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.62*		*"*	*10.0*		*96.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
LCS Dup (BG20024-BSD1) LCS Dup								Prepared & Analyzed: 07/01/2022			
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.0	82-126		2.55	30	
1,1,1-Trichloroethane	9.9		"	10.0		98.8	78-136		4.16	30	
1,1,2,2-Tetrachloroethane	9.7		"	10.0		96.6	76-129		1.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0		99.0	54-165		4.73	30	
1,1,2-Trichloroethane	9.7		"	10.0		96.7	82-123		1.88	30	
1,1-Dichloroethane	9.8		"	10.0		97.5	82-129		3.03	30	
1,1-Dichloroethylene	9.5		"	10.0		95.2	68-138		5.22	30	
1,2,3-Trichlorobenzene	9.4		"	10.0		94.3	40-130		6.57	30	
1,2,3-Trichloropropane	9.5		"	10.0		95.1	77-128		2.13	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		87.9	65-137		0.114	30	
1,2,4-Trimethylbenzene	8.9		"	10.0		88.9	82-132		3.10	30	
1,2-Dibromo-3-chloropropane	9.5		"	10.0		95.0	45-147		4.19	30	
1,2-Dibromoethane	9.8		"	10.0		98.3	83-124		2.47	30	
1,2-Dichlorobenzene	9.1		"	10.0		91.1	79-123		2.06	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		0.0956	30	
1,2-Dichloropropane	9.4		"	10.0		93.6	78-126		1.80	30	
1,3,5-Trimethylbenzene	8.7		"	10.0		86.9	80-131		3.95	30	
1,3-Dichlorobenzene	8.9		"	10.0		88.9	86-130		2.99	30	
1,4-Dichlorobenzene	9.0		"	10.0		89.5	85-130		2.43	30	
1,4-Dioxane	250		"	210		119	10-349		1.92	30	
2-Butanone	9.3		"	10.0		93.4	49-152		8.13	30	
2-Hexanone	8.8		"	10.0		87.9	51-146		3.00	30	
4-Methyl-2-pentanone	9.5		"	10.0		95.2	57-145		4.29	30	
Acetone	7.4		"	10.0		74.3	14-150		6.82	30	
Acrolein	1.0		"	100		1.03	10-153	Low Bias	0.976	30	
Acrylonitrile	10		"	10.0		105	51-150		1.15	30	
Benzene	10		"	10.0		102	85-126		3.67	30	
Bromochloromethane	10		"	10.0		102	77-128		0.293	30	
Bromodichloromethane	9.2		"	10.0		92.1	79-128		1.40	30	
Bromoform	9.4		"	10.0		94.4	78-133		2.14	30	
Bromomethane	4.7		"	10.0		46.9	43-168		11.8	30	
Carbon disulfide	11		"	10.0		106	68-146		4.61	30	
Carbon tetrachloride	10		"	10.0		99.9	77-141		5.74	30	
Chlorobenzene	9.8		"	10.0		97.7	88-120		3.02	30	
Chloroethane	9.5		"	10.0		94.7	65-136		8.59	30	
Chloroform	10		"	10.0		103	82-128		2.21	30	
Chloromethane	5.1		"	10.0		50.9	43-155		15.4	30	
cis-1,2-Dichloroethylene	9.6		"	10.0		96.4	83-129		1.13	30	
cis-1,3-Dichloropropylene	8.8		"	10.0		88.0	80-131		1.35	30	
Cyclohexane	9.0		"	10.0		89.7	63-149		4.79	30	
Dibromochloromethane	9.3		"	10.0		93.3	80-130		1.49	30	
Dibromomethane	9.6		"	10.0		96.1	72-134		2.85	30	
Dichlorodifluoromethane	5.7		"	10.0		57.0	44-144		3.96	30	
Ethyl Benzene	9.4		"	10.0		93.9	80-131		3.45	30	
Hexachlorobutadiene	8.6		"	10.0		85.7	67-146		0.351	30	
Isopropylbenzene	9.0		"	10.0		90.0	76-140		4.13	30	
Methyl acetate	8.4		"	10.0		84.0	51-139		1.20	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135		1.75	30	
Methylcyclohexane	8.3		"	10.0		82.7	72-143		4.61	30	
Methylene chloride	7.1		"	10.0		70.8	55-137		1.68	30	
n-Butylbenzene	8.1		"	10.0		80.6	79-132		3.89	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
LCS Dup (BG20024-BSD1) LCS Dup								Prepared & Analyzed: 07/01/2022			
n-Propylbenzene	8.9		ug/L	10.0		89.3	78-133		4.17	30	
o-Xylene	9.6		"	10.0		96.1	78-130		1.96	30	
p- & m- Xylenes	20		"	20.0		97.6	77-133		3.32	30	
p-Isopropyltoluene	8.8		"	10.0		87.9	81-136		3.69	30	
sec-Butylbenzene	8.8		"	10.0		87.5	79-137		4.47	30	
Styrene	9.5		"	10.0		95.1	67-132		1.77	30	
tert-Butyl alcohol (TBA)	53		"	50.0		107	25-162		5.96	30	
tert-Butylbenzene	8.9		"	10.0		88.9	77-138		3.75	30	
Tetrachloroethylene	7.1		"	10.0		71.1	82-131	Low Bias	4.80	30	
Toluene	9.1		"	10.0		91.1	80-127		3.77	30	
trans-1,2-Dichloroethylene	9.7		"	10.0		97.1	80-132		4.43	30	
trans-1,3-Dichloropropylene	8.9		"	10.0		88.8	78-131		0.785	30	
trans-1,4-dichloro-2-butene	8.9		"	10.0		89.3	63-141		1.67	30	
Trichloroethylene	8.9		"	10.0		89.4	82-128		3.41	30	
Trichlorofluoromethane	9.6		"	10.0		95.6	67-139		5.89	30	
Vinyl Chloride	8.0		"	10.0		80.1	58-145		7.91	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.60*		*"*	*10.0*		*96.0*	*79-122*				
LCS Dup (BG20024-BSD2) LCS Dup								Prepared & Analyzed: 07/01/2022			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126		0.899	30	
1,1,1-Trichloroethane	11		"	10.0		105	78-136		3.73	30	
1,1,2,2-Tetrachloroethane	8.3		"	10.0		82.7	76-129		6.78	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		3.25	30	
1,1,2-Trichloroethane	10		"	10.0		102	82-123		1.79	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		2.00	30	
1,1-Dichloroethylene	10		"	10.0		104	68-138		2.56	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		99.0	40-130		0.506	30	
1,2,3-Trichloropropane	10		"	10.0		100	77-128		2.84	30	
1,2,4-Trichlorobenzene	9.5		"	10.0		94.8	65-137		1.05	30	
1,2,4-Trimethylbenzene	9.6		"	10.0		96.0	82-132		2.47	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		95.6	45-147		0.840	30	
1,2-Dibromoethane	10		"	10.0		102	83-124		0.690	30	
1,2-Dichlorobenzene	9.8		"	10.0		97.7	79-123		1.02	30	
1,2-Dichloroethane	11		"	10.0		109	73-132		0.550	30	
1,2-Dichloropropane	10		"	10.0		100	78-126		1.39	30	
1,3,5-Trimethylbenzene	9.4		"	10.0		94.1	80-131		2.73	30	
1,3-Dichlorobenzene	9.6		"	10.0		95.8	86-130		2.27	30	
1,4-Dichlorobenzene	9.7		"	10.0		96.7	85-130		1.84	30	
1,4-Dioxane	250		"	210		121	10-349		0.240	30	
2-Butanone	10		"	10.0		100	49-152		0.904	30	
2-Hexanone	9.7		"	10.0		97.3	51-146		2.08	30	
4-Methyl-2-pentanone	9.8		"	10.0		98.4	57-145		2.57	30	
Acetone	10		"	10.0		99.8	14-150		4.82	30	
Acrolein	1.2		"	100		1.17	10-153	Low Bias	7.08	30	
Acrylonitrile	10		"	10.0		103	51-150		0.584	30	
Benzene	11		"	10.0		108	85-126		2.19	30	
Bromochloromethane	11		"	10.0		108	77-128		0.186	30	
Bromodichloromethane	9.8		"	10.0		98.4	79-128		0.507	30	
Bromoform	9.9		"	10.0		98.6	78-133		0.712	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20024 - EPA 5030B											
LCS Dup (BG20024-BSD2) LCS Dup								Prepared & Analyzed: 07/01/2022			
Bromomethane	5.3		ug/L	10.0		52.7	43-168		2.30	30	
Carbon disulfide	11		"	10.0		113	68-146		3.22	30	
Carbon tetrachloride	11		"	10.0		109	77-141		2.90	30	
Chlorobenzene	10		"	10.0		105	88-120		2.17	30	
Chloroethane	10		"	10.0		103	65-136		3.44	30	
Chloroform	11		"	10.0		110	82-128		1.27	30	
Chloromethane	6.0		"	10.0		60.1	43-155		0.332	30	
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129		3.00	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		94.6	80-131		0.947	30	
Cyclohexane	10		"	10.0		101	63-149		3.22	30	
Dibromochloromethane	9.9		"	10.0		99.4	80-130		0.504	30	
Dibromomethane	10		"	10.0		99.9	72-134		1.01	30	
Dichlorodifluoromethane	6.5		"	10.0		65.0	44-144		2.43	30	
Ethyl Benzene	10		"	10.0		101	80-131		2.25	30	
Hexachlorobutadiene	9.6		"	10.0		95.6	67-146		4.20	30	
Isopropylbenzene	9.7		"	10.0		97.3	76-140		2.34	30	
Methyl acetate	9.5		"	10.0		95.3	51-139		0.314	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		0.00	30	
Methylcyclohexane	9.4		"	10.0		94.5	72-143		2.92	30	
Methylene chloride	7.9		"	10.0		78.6	55-137		0.760	30	
n-Butylbenzene	8.7		"	10.0		87.4	79-132		5.13	30	
n-Propylbenzene	9.7		"	10.0		96.8	78-133		2.55	30	
o-Xylene	10		"	10.0		102	78-130		2.12	30	
p- & m- Xylenes	21		"	20.0		105	77-133		2.45	30	
p-Isopropyltoluene	9.6		"	10.0		96.1	81-136		3.17	30	
sec-Butylbenzene	9.6		"	10.0		96.0	79-137		3.48	30	
Styrene	10		"	10.0		103	67-132		1.64	30	
tert-Butyl alcohol (TBA)	53		"	50.0		106	25-162		0.741	30	
tert-Butylbenzene	9.7		"	10.0		96.6	77-138		3.06	30	
Tetrachloroethylene	7.7		"	10.0		76.7	82-131	Low Bias	3.71	30	
Toluene	9.8		"	10.0		97.8	80-127		2.32	30	
trans-1,2-Dichloroethylene	10		"	10.0		105	80-132		3.20	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		93.8	78-131		0.638	30	
trans-1,4-dichloro-2-butene	9.5		"	10.0		95.4	63-141		2.18	30	
Trichloroethylene	11		"	10.0		113	82-128		4.60	30	
Trichlorofluoromethane	11		"	10.0		107	67-139		2.94	30	
Vinyl Chloride	9.0		"	10.0		89.8	58-145		1.66	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.71*		*"*	*10.0*		*97.1*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
Blank (BG20178-BLK1) Blank									Prepared & Analyzed: 07/06/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
Blank (BG20178-BLK1) Blank								Prepared & Analyzed: 07/06/2022			
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*69-130*				
Surrogate: SURR: Toluene-d8	*8.93*		*"*	*10.0*		*89.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.00*		*"*	*10.0*		*90.0*	*79-122*				
LCS (BG20178-BS1) LCS								Prepared & Analyzed: 07/06/2022			
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.6	82-126				
1,1,1-Trichloroethane	11		"	10.0		115	78-136				
1,1,2,2-Tetrachloroethane	9.5		"	10.0		94.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		123	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		97.1	82-123				
1,1-Dichloroethane	11		"	10.0		111	82-129				
1,1-Dichloroethylene	12		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	8.6		"	10.0		86.0	40-130				
1,2,3-Trichloropropane	9.3		"	10.0		93.1	77-128				
1,2,4-Trichlorobenzene	8.6		"	10.0		86.2	65-137				
1,2,4-Trimethylbenzene	9.2		"	10.0		92.3	82-132				
1,2-Dibromo-3-chloropropane	9.4		"	10.0		93.5	45-147				
1,2-Dibromoethane	9.8		"	10.0		97.8	83-124				
1,2-Dichlorobenzene	9.2		"	10.0		92.0	79-123				
1,2-Dichloroethane	11		"	10.0		115	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.1		"	10.0		90.8	80-131				
1,3-Dichlorobenzene	9.1		"	10.0		90.6	86-130				
1,4-Dichlorobenzene	9.1		"	10.0		91.0	85-130				
1,4-Dioxane	240		"	210		114	10-349				
2-Butanone	9.1		"	10.0		90.7	49-152				
2-Hexanone	8.6		"	10.0		86.4	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		93.3	57-145				
Acetone	7.4		"	10.0		74.4	14-150				
Acrolein	2.7		"	100		2.73	10-153	Low Bias			
Acrylonitrile	11		"	10.0		106	51-150				
Benzene	11		"	10.0		114	85-126				
Bromochloromethane	11		"	10.0		112	77-128				
Bromodichloromethane	9.8		"	10.0		97.7	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
LCS (BG20178-BS1) LCS							Prepared & Analyzed: 07/06/2022				
Bromoform	9.4		ug/L	10.0		94.3	78-133				
Bromomethane	5.7		"	10.0		56.6	43-168				
Carbon disulfide	12		"	10.0		124	68-146				
Carbon tetrachloride	12		"	10.0		117	77-141				
Chlorobenzene	10		"	10.0		103	88-120				
Chloroethane	12		"	10.0		122	65-136				
Chloroform	12		"	10.0		116	82-128				
Chloromethane	6.9		"	10.0		69.0	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	9.4		"	10.0		93.6	80-131				
Cyclohexane	10		"	10.0		101	63-149				
Dibromochloromethane	9.7		"	10.0		96.8	80-130				
Dibromomethane	9.8		"	10.0		98.1	72-134				
Dichlorodifluoromethane	11		"	10.0		107	44-144				
Ethyl Benzene	10		"	10.0		101	80-131				
Hexachlorobutadiene	8.5		"	10.0		84.8	67-146				
Isopropylbenzene	9.5		"	10.0		95.0	76-140				
Methyl acetate	8.8		"	10.0		88.1	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	76-135				
Methylcyclohexane	9.0		"	10.0		89.6	72-143				
Methylene chloride	7.9		"	10.0		78.6	55-137				
n-Butylbenzene	8.0		"	10.0		80.4	79-132				
n-Propylbenzene	9.5		"	10.0		94.6	78-133				
o-Xylene	10		"	10.0		101	78-130				
p- & m- Xylenes	21		"	20.0		105	77-133				
p-Isopropyltoluene	9.1		"	10.0		90.7	81-136				
sec-Butylbenzene	9.2		"	10.0		91.8	79-137				
Styrene	9.8		"	10.0		98.4	67-132				
tert-Butyl alcohol (TBA)	53		"	50.0		106	25-162				
tert-Butylbenzene	9.2		"	10.0		92.5	77-138				
Tetrachloroethylene	7.6		"	10.0		76.3	82-131	Low Bias			
Toluene	9.8		"	10.0		98.1	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.4		"	10.0		94.1	78-131				
trans-1,4-dichloro-2-butene	9.3		"	10.0		93.3	63-141				
Trichloroethylene	9.7		"	10.0		97.3	82-128				
Trichlorofluoromethane	12		"	10.0		123	67-139				
Vinyl Chloride	8.9		"	10.0		89.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.33*		*"*	*10.0*		*93.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		*"*	*10.0*		*97.2*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
LCS Dup (BG20178-BSD1) LCS Dup							Prepared & Analyzed: 07/06/2022				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		95.8	82-126		1.86	30	
1,1,1-Trichloroethane	11		"	10.0		110	78-136		4.63	30	
1,1,2,2-Tetrachloroethane	9.5		"	10.0		95.3	76-129		0.526	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165		4.24	30	
1,1,2-Trichloroethane	9.7		"	10.0		96.7	82-123		0.413	30	
1,1-Dichloroethane	11		"	10.0		107	82-129		3.76	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		4.77	30	
1,2,3-Trichlorobenzene	8.3		"	10.0		83.4	40-130		3.07	30	
1,2,3-Trichloropropane	9.2		"	10.0		92.3	77-128		0.863	30	
1,2,4-Trichlorobenzene	8.3		"	10.0		82.6	65-137		4.27	30	
1,2,4-Trimethylbenzene	8.8		"	10.0		88.3	82-132		4.43	30	
1,2-Dibromo-3-chloropropane	9.2		"	10.0		92.1	45-147		1.51	30	
1,2-Dibromoethane	9.8		"	10.0		98.2	83-124		0.408	30	
1,2-Dichlorobenzene	9.1		"	10.0		90.6	79-123		1.53	30	
1,2-Dichloroethane	11		"	10.0		113	73-132		1.58	30	
1,2-Dichloropropane	9.8		"	10.0		97.8	78-126		2.32	30	
1,3,5-Trimethylbenzene	8.6		"	10.0		86.5	80-131		4.85	30	
1,3-Dichlorobenzene	8.8		"	10.0		88.0	86-130		2.91	30	
1,4-Dichlorobenzene	8.9		"	10.0		89.0	85-130		2.22	30	
1,4-Dioxane	230		"	210		111	10-349		2.50	30	
2-Butanone	9.0		"	10.0		90.0	49-152		0.775	30	
2-Hexanone	8.7		"	10.0		87.2	51-146		0.922	30	
4-Methyl-2-pentanone	9.5		"	10.0		94.7	57-145		1.49	30	
Acetone	7.6		"	10.0		75.6	14-150		1.60	30	
Acrolein	3.0		"	100		3.02	10-153	Low Bias	10.1	30	
Acrylonitrile	11		"	10.0		107	51-150		0.470	30	
Benzene	11		"	10.0		110	85-126		3.56	30	
Bromochloromethane	11		"	10.0		112	77-128		0.178	30	
Bromodichloromethane	9.7		"	10.0		96.9	79-128		0.822	30	
Bromoform	9.5		"	10.0		94.9	78-133		0.634	30	
Bromomethane	6.1		"	10.0		60.7	43-168		6.99	30	
Carbon disulfide	12		"	10.0		118	68-146		5.06	30	
Carbon tetrachloride	11		"	10.0		113	77-141		3.56	30	
Chlorobenzene	10		"	10.0		100	88-120		2.07	30	
Chloroethane	12		"	10.0		120	65-136		2.31	30	
Chloroform	11		"	10.0		112	82-128		3.52	30	
Chloromethane	7.2		"	10.0		72.5	43-155		4.95	30	
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129		2.50	30	
cis-1,3-Dichloropropylene	9.2		"	10.0		92.2	80-131		1.51	30	
Cyclohexane	9.6		"	10.0		95.7	63-149		5.39	30	
Dibromochloromethane	9.6		"	10.0		96.5	80-130		0.310	30	
Dibromomethane	9.8		"	10.0		97.6	72-134		0.511	30	
Dichlorodifluoromethane	10		"	10.0		102	44-144		4.87	30	
Ethyl Benzene	9.7		"	10.0		97.4	80-131		3.63	30	
Hexachlorobutadiene	8.0		"	10.0		79.5	67-146		6.45	30	
Isopropylbenzene	9.1		"	10.0		91.3	76-140		3.97	30	
Methyl acetate	8.7		"	10.0		87.3	51-139		0.912	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	76-135		0.0914	30	
Methylcyclohexane	8.6		"	10.0		86.0	72-143		4.10	30	
Methylene chloride	7.9		"	10.0		78.6	55-137		0.00	30	
n-Butylbenzene	7.6		"	10.0		75.8	79-132	Low Bias	5.89	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
LCS Dup (BG20178-BSD1) LCS Dup								Prepared & Analyzed: 07/06/2022			
n-Propylbenzene	9.0		ug/L	10.0		89.8	78-133		5.21	30	
o-Xylene	9.9		"	10.0		98.7	78-130		2.50	30	
p- & m- Xylenes	20		"	20.0		101	77-133		4.14	30	
p-Isopropyltoluene	8.6		"	10.0		86.4	81-136		4.86	30	
sec-Butylbenzene	8.7		"	10.0		87.3	79-137		5.03	30	
Styrene	9.6		"	10.0		95.5	67-132		2.99	30	
tert-Butyl alcohol (TBA)	53		"	50.0		105	25-162		0.701	30	
tert-Butylbenzene	8.8		"	10.0		88.3	77-138		4.65	30	
Tetrachloroethylene	7.3		"	10.0		72.9	82-131	Low Bias	4.56	30	
Toluene	9.5		"	10.0		94.9	80-127		3.32	30	
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132		4.83	30	
trans-1,3-Dichloropropylene	9.2		"	10.0		92.2	78-131		2.04	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		90.2	63-141		3.38	30	
Trichloroethylene	9.3		"	10.0		93.0	82-128		4.52	30	
Trichlorofluoromethane	12		"	10.0		118	67-139		4.48	30	
Vinyl Chloride	6.3		"	10.0		62.8	58-145		34.8	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.41*		*"*	*10.0*		*94.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.70*		*"*	*10.0*		*97.0*	*79-122*				
Matrix Spike (BG20178-MS1) Matrix Spike *Source sample: 22F1322-03 (316_LMW_45)								Prepared: 07/06/2022 Analyzed: 07/07/2022			
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	118	45-161				
1,1,1-Trichloroethane	14		"	10.0	0.0	144	70-146				
1,1,2,2-Tetrachloroethane	11		"	10.0	0.0	114	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	0.0	124	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	117	59-146				
1,1-Dichloroethane	14		"	10.0	0.0	138	54-146				
1,1-Dichloroethylene	12		"	10.0	0.0	116	44-165				
1,2,3-Trichlorobenzene	10		"	10.0	0.0	104	40-161				
1,2,3-Trichloropropane	11		"	10.0	0.0	112	74-127				
1,2,4-Trichlorobenzene	10		"	10.0	0.0	104	41-161				
1,2,4-Trimethylbenzene	11		"	10.0	0.0	111	72-129				
1,2-Dibromo-3-chloropropane	11		"	10.0	0.0	113	31-151				
1,2-Dibromoethane	12		"	10.0	0.0	119	75-125				
1,2-Dichlorobenzene	11		"	10.0	0.0	111	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	141	68-131	High Bias			
1,2-Dichloropropane	12		"	10.0	0.0	121	77-121				
1,3,5-Trimethylbenzene	11		"	10.0	0.0	111	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	109	74-119				
1,4-Dichlorobenzene	11		"	10.0	0.0	110	70-124				
1,4-Dioxane	300		"	210	0.0	142	10-310				
2-Butanone	11		"	10.0	0.0	110	10-193				
2-Hexanone	10		"	10.0	0.0	104	53-133				
4-Methyl-2-pentanone	11		"	10.0	0.0	113	38-150				
Acetone	9.0		"	10.0	2.4	66.2	13-149				
Acrolein	2.5		"	100	0.0	2.46	10-195	Low Bias			
Acrylonitrile	13		"	10.0	0.0	130	37-165				
Benzene	14		"	10.0	0.0	140	38-155				
Bromochloromethane	14		"	10.0	0.0	138	75-121	High Bias			
Bromodichloromethane	12		"	10.0	0.0	119	70-129				
Bromoform	11		"	10.0	0.0	114	66-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
Matrix Spike (BG20178-MS1) Matrix Spike	*Source sample: 22F1322-03 (316_LMW_45)							Prepared: 07/06/2022 Analyzed: 07/07/2022			
Bromomethane	4.6		ug/L	10.0	0.0	46.2	30-158				
Carbon disulfide	12		"	10.0	0.24	114	10-138				
Carbon tetrachloride	15		"	10.0	0.0	150	71-146	High Bias			
Chlorobenzene	12		"	10.0	0.0	125	81-117	High Bias			
Chloroethane	15		"	10.0	0.0	154	51-145	High Bias			
Chloroform	14		"	10.0	0.0	141	80-124	High Bias			
Chloromethane	9.4		"	10.0	0.0	93.8	16-163				
cis-1,2-Dichloroethylene	13		"	10.0	0.0	130	76-125	High Bias			
cis-1,3-Dichloropropylene	11		"	10.0	0.0	109	58-131				
Cyclohexane	13		"	10.0	0.0	131	70-130	High Bias			
Dibromochloromethane	12		"	10.0	0.0	117	71-129				
Dibromomethane	12		"	10.0	0.0	119	76-120				
Dichlorodifluoromethane	15		"	10.0	0.0	146	30-147				
Ethyl Benzene	12		"	10.0	0.0	124	72-128				
Hexachlorobutadiene	10		"	10.0	0.0	103	34-166				
Isopropylbenzene	12		"	10.0	0.0	116	66-139				
Methyl acetate	7.1		"	10.0	0.0	71.1	10-200				
Methyl tert-butyl ether (MTBE)	13		"	10.0	0.0	133	75-128	High Bias			
Methylcyclohexane	12		"	10.0	0.0	115	70-130				
Methylene chloride	7.7		"	10.0	0.0	77.1	57-128				
n-Butylbenzene	12		"	10.0	0.0	120	61-138				
n-Propylbenzene	11		"	10.0	0.0	115	66-134				
o-Xylene	13		"	10.0	0.0	126	69-126				
p- & m- Xylenes	26		"	20.0	0.0	128	67-130				
p-Isopropyltoluene	11		"	10.0	0.0	111	64-137				
sec-Butylbenzene	11		"	10.0	0.0	114	53-155				
Styrene	12		"	10.0	0.0	121	69-125				
tert-Butyl alcohol (TBA)	64		"	50.0	0.0	128	10-130				
tert-Butylbenzene	11		"	10.0	0.0	114	65-139				
Tetrachloroethylene	9.3		"	10.0	0.0	93.3	64-139				
Toluene	12		"	10.0	0.0	119	76-123				
trans-1,2-Dichloroethylene	14		"	10.0	0.0	142	79-131	High Bias			
trans-1,3-Dichloropropylene	11		"	10.0	0.0	109	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	113	25-155				
Trichloroethylene	12		"	10.0	0.0	119	53-145				
Trichlorofluoromethane	16		"	10.0	0.0	162	61-142	High Bias			
Vinyl Chloride	14		"	10.0	0.0	137	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.30*		*"*	*10.0*		*93.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.69*		*"*	*10.0*		*96.9*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
Matrix Spike Dup (BG20178-! Matrix Spike Dup	*Source sample: 22F1322-03 (316_LMW_45)								Prepared: 07/06/2022 Analyzed: 07/07/2022		
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	120	45-161		1.60	30	
1,1,1-Trichloroethane	15		"	10.0	0.0	147	70-146	High Bias	2.06	30	
1,1,2,2-Tetrachloroethane	12		"	10.0	0.0	116	74-121		2.26	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16		"	10.0	0.0	162	21-217		26.7	30	
1,1,2-Trichloroethane	12		"	10.0	0.0	120	59-146		2.03	30	
1,1-Dichloroethane	14		"	10.0	0.0	140	54-146		1.87	30	
1,1-Dichloroethylene	15		"	10.0	0.0	150	44-165		25.4	30	
1,2,3-Trichlorobenzene	11		"	10.0	0.0	106	40-161		1.05	30	
1,2,3-Trichloropropane	11		"	10.0	0.0	114	74-127		2.48	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	106	41-161		2.38	30	
1,2,4-Trimethylbenzene	11		"	10.0	0.0	114	72-129		2.66	30	
1,2-Dibromo-3-chloropropane	12		"	10.0	0.0	116	31-151		2.71	30	
1,2-Dibromoethane	12		"	10.0	0.0	122	75-125		2.25	30	
1,2-Dichlorobenzene	11		"	10.0	0.0	113	63-122		2.32	30	
1,2-Dichloroethane	14		"	10.0	0.0	143	68-131	High Bias	1.41	30	
1,2-Dichloropropane	12		"	10.0	0.0	123	77-121	High Bias	1.31	30	
1,3,5-Trimethylbenzene	11		"	10.0	0.0	113	69-126		1.70	30	
1,3-Dichlorobenzene	11		"	10.0	0.0	112	74-119		2.80	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	112	70-124		1.98	30	
1,4-Dioxane	300		"	210	0.0	145	10-310		1.80	30	
2-Butanone	11		"	10.0	0.0	114	10-193		3.12	30	
2-Hexanone	11		"	10.0	0.0	108	53-133		3.02	30	
4-Methyl-2-pentanone	11		"	10.0	0.0	115	38-150		1.49	30	
Acetone	12		"	10.0	2.4	95.1	13-149		35.8	30	Non-dir.
Acrolein	3.6		"	100	0.0	3.65	10-195	Low Bias	39.0	30	Non-dir.
Acrylonitrile	13		"	10.0	0.0	134	37-165		3.42	30	
Benzene	14		"	10.0	0.0	143	38-155		2.05	30	
Bromochloromethane	14		"	10.0	0.0	140	75-121	High Bias	1.51	30	
Bromodichloromethane	12		"	10.0	0.0	123	70-129		2.73	30	
Bromoform	12		"	10.0	0.0	118	66-136		3.19	30	
Bromomethane	6.2		"	10.0	0.0	61.6	30-158		28.6	30	
Carbon disulfide	16		"	10.0	0.24	160	10-138	High Bias	34.1	30	Non-dir.
Carbon tetrachloride	15		"	10.0	0.0	154	71-146	High Bias	2.64	30	
Chlorobenzene	13		"	10.0	0.0	127	81-117	High Bias	1.75	30	
Chloroethane	15		"	10.0	0.0	150	51-145	High Bias	2.37	30	
Chloroform	14		"	10.0	0.0	144	80-124	High Bias	1.69	30	
Chloromethane	10		"	10.0	0.0	103	16-163		9.35	30	
cis-1,2-Dichloroethylene	13		"	10.0	0.0	132	76-125	High Bias	1.68	30	
cis-1,3-Dichloropropylene	11		"	10.0	0.0	111	58-131		2.00	30	
Cyclohexane	13		"	10.0	0.0	134	70-130	High Bias	1.96	30	
Dibromochloromethane	12		"	10.0	0.0	119	71-129		1.44	30	
Dibromomethane	12		"	10.0	0.0	121	76-120	High Bias	2.08	30	
Dichlorodifluoromethane	15		"	10.0	0.0	146	30-147		0.411	30	
Ethyl Benzene	13		"	10.0	0.0	127	72-128		1.91	30	
Hexachlorobutadiene	11		"	10.0	0.0	106	34-166		2.58	30	
Isopropylbenzene	12		"	10.0	0.0	120	66-139		2.79	30	
Methyl acetate	10		"	10.0	0.0	103	10-200		36.9	30	Non-dir.
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	135	75-128	High Bias	1.79	30	
Methylcyclohexane	12		"	10.0	0.0	117	70-130		1.63	30	
Methylene chloride	9.7		"	10.0	0.0	97.1	57-128		23.0	30	
n-Butylbenzene	10		"	10.0	0.0	102	61-138		16.8	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20178 - EPA 5030B											
Matrix Spike Dup (BG20178-! Matrix Spike Dup	*Source sample: 22F1322-03 (316_LMW_45)								Prepared: 07/06/2022 Analyzed: 07/07/2022		
n-Propylbenzene	12		ug/L	10.0	0.0	118	66-134		2.41	30	
o-Xylene	13		"	10.0	0.0	127	69-126	High Bias	1.26	30	
p- & m- Xylenes	26		"	20.0	0.0	131	67-130	High Bias	2.23	30	
p-Isopropyltoluene	11		"	10.0	0.0	114	64-137		2.66	30	
sec-Butylbenzene	12		"	10.0	0.0	116	53-155		1.83	30	
Styrene	12		"	10.0	0.0	123	69-125		1.72	30	
tert-Butyl alcohol (TBA)	67		"	50.0	0.0	133	10-130	High Bias	4.29	30	
tert-Butylbenzene	12		"	10.0	0.0	117	65-139		2.86	30	
Tetrachloroethylene	9.6		"	10.0	0.0	95.5	64-139		2.33	30	
Toluene	12		"	10.0	0.0	122	76-123		2.08	30	
trans-1,2-Dichloroethylene	14		"	10.0	0.0	144	79-131	High Bias	1.47	30	
trans-1,3-Dichloropropylene	11		"	10.0	0.0	111	55-130		2.37	30	
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	115	25-155		1.40	30	
Trichloroethylene	12		"	10.0	0.0	123	53-145		3.06	30	
Trichlorofluoromethane	16		"	10.0	0.0	163	61-142	High Bias	0.369	30	
Vinyl Chloride	15		"	10.0	0.0	148	31-165		7.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.31*		*"*	*10.0*		*93.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.73*		*"*	*10.0*		*97.3*	*79-122*				
Batch BG20268 - EPA 5030B											
Blank (BG20268-BLK1) Blank									Prepared & Analyzed: 07/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20268 - EPA 5030B											
Blank (BG20268-BLK1) Blank									Prepared & Analyzed: 07/07/2022		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.31*		*"*	*10.0*		*93.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20268 - EPA 5030B											
LCS (BG20268-BS1) LCS							Prepared & Analyzed: 07/07/2022				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.5	82-126				
1,1,1-Trichloroethane	11		"	10.0		113	78-136				
1,1,2,2-Tetrachloroethane	9.4		"	10.0		94.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		95.1	82-123				
1,1-Dichloroethane	11		"	10.0		109	82-129				
1,1-Dichloroethylene	11		"	10.0		110	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		84.2	40-130				
1,2,3-Trichloropropane	9.2		"	10.0		92.3	77-128				
1,2,4-Trichlorobenzene	8.5		"	10.0		84.7	65-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		90.9	82-132				
1,2-Dibromo-3-chloropropane	9.1		"	10.0		91.3	45-147				
1,2-Dibromoethane	9.6		"	10.0		96.1	83-124				
1,2-Dichlorobenzene	9.1		"	10.0		91.0	79-123				
1,2-Dichloroethane	12		"	10.0		115	73-132				
1,2-Dichloropropane	9.7		"	10.0		97.1	78-126				
1,3,5-Trimethylbenzene	9.0		"	10.0		89.9	80-131				
1,3-Dichlorobenzene	9.0		"	10.0		90.3	86-130				
1,4-Dichlorobenzene	9.1		"	10.0		91.2	85-130				
1,4-Dioxane	240		"	210		114	10-349				
2-Butanone	9.5		"	10.0		94.7	49-152				
2-Hexanone	8.4		"	10.0		84.2	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		93.3	57-145				
Acetone	6.8		"	10.0		68.2	14-150				
Acrolein	3.1		"	100		3.10	10-153	Low Bias			
Acrylonitrile	10		"	10.0		105	51-150				
Benzene	11		"	10.0		112	85-126				
Bromochloromethane	11		"	10.0		113	77-128				
Bromodichloromethane	9.6		"	10.0		96.4	79-128				
Bromoform	9.4		"	10.0		93.8	78-133				
Bromomethane	6.4		"	10.0		63.5	43-168				
Carbon disulfide	11		"	10.0		114	68-146				
Carbon tetrachloride	11		"	10.0		114	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	11		"	10.0		114	65-136				
Chloroform	11		"	10.0		114	82-128				
Chloromethane	6.5		"	10.0		65.4	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		112	83-129				
cis-1,3-Dichloropropylene	9.6		"	10.0		96.2	80-131				
Cyclohexane	9.6		"	10.0		95.7	63-149				
Dibromochloromethane	9.5		"	10.0		94.7	80-130				
Dibromomethane	9.6		"	10.0		96.5	72-134				
Dichlorodifluoromethane	6.2		"	10.0		61.8	44-144				
Ethyl Benzene	10		"	10.0		100	80-131				
Hexachlorobutadiene	8.6		"	10.0		86.4	67-146				
Isopropylbenzene	9.4		"	10.0		93.7	76-140				
Methyl acetate	9.4		"	10.0		93.8	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135				
Methylcyclohexane	8.7		"	10.0		86.6	72-143				
Methylene chloride	7.9		"	10.0		79.2	55-137				
n-Butylbenzene	9.7		"	10.0		97.3	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20268 - EPA 5030B											
LCS (BG20268-BS1) LCS								Prepared & Analyzed: 07/07/2022			
n-Propylbenzene	9.4		ug/L	10.0		94.1	78-133				
o-Xylene	10		"	10.0		100	78-130				
p- & m- Xylenes	21		"	20.0		104	77-133				
p-Isopropyltoluene	9.1		"	10.0		90.9	81-136				
sec-Butylbenzene	9.1		"	10.0		91.2	79-137				
Styrene	9.9		"	10.0		98.8	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162				
tert-Butylbenzene	9.1		"	10.0		90.8	77-138				
Tetrachloroethylene	7.5		"	10.0		75.2	82-131	Low Bias			
Toluene	9.7		"	10.0		96.7	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	9.6		"	10.0		96.2	78-131				
trans-1,4-dichloro-2-butene	9.3		"	10.0		93.1	63-141				
Trichloroethylene	9.6		"	10.0		95.7	82-128				
Trichlorofluoromethane	11		"	10.0		114	67-139				
Vinyl Chloride	9.0		"	10.0		90.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.28*		*"*	*10.0*		*92.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.64*		*"*	*10.0*		*96.4*	*79-122*				
LCS Dup (BG20268-BSD1) LCS Dup								Prepared & Analyzed: 07/07/2022			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.4	82-126		1.15	30	
1,1,1-Trichloroethane	11		"	10.0		110	78-136		3.14	30	
1,1,2,2-Tetrachloroethane	9.4		"	10.0		93.9	76-129		0.531	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		111	54-165		2.66	30	
1,1,2-Trichloroethane	9.9		"	10.0		98.7	82-123		3.72	30	
1,1-Dichloroethane	11		"	10.0		107	82-129		2.59	30	
1,1-Dichloroethylene	11		"	10.0		106	68-138		3.81	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		85.6	40-130		1.65	30	
1,2,3-Trichloropropane	9.1		"	10.0		91.2	77-128		1.20	30	
1,2,4-Trichlorobenzene	8.4		"	10.0		84.0	65-137		0.830	30	
1,2,4-Trimethylbenzene	9.1		"	10.0		90.6	82-132		0.331	30	
1,2-Dibromo-3-chloropropane	9.2		"	10.0		92.3	45-147		1.09	30	
1,2-Dibromoethane	9.8		"	10.0		97.7	83-124		1.65	30	
1,2-Dichlorobenzene	9.1		"	10.0		90.8	79-123		0.220	30	
1,2-Dichloroethane	11		"	10.0		115	73-132		0.174	30	
1,2-Dichloropropane	9.7		"	10.0		96.6	78-126		0.516	30	
1,3,5-Trimethylbenzene	8.9		"	10.0		88.6	80-131		1.46	30	
1,3-Dichlorobenzene	8.9		"	10.0		89.3	86-130		1.11	30	
1,4-Dichlorobenzene	9.0		"	10.0		90.0	85-130		1.32	30	
1,4-Dioxane	240		"	210		113	10-349		1.10	30	
2-Butanone	9.2		"	10.0		91.7	49-152		3.22	30	
2-Hexanone	8.7		"	10.0		86.7	51-146		2.93	30	
4-Methyl-2-pentanone	9.3		"	10.0		93.3	57-145		0.00	30	
Acetone	7.0		"	10.0		70.3	14-150		3.03	30	
Acrolein	3.2		"	100		3.18	10-153	Low Bias	2.55	30	
Acrylonitrile	11		"	10.0		114	51-150		8.24	30	
Benzene	11		"	10.0		109	85-126		2.44	30	
Bromochloromethane	11		"	10.0		112	77-128		1.16	30	
Bromodichloromethane	9.6		"	10.0		96.2	79-128		0.208	30	
Bromoform	9.4		"	10.0		93.5	78-133		0.320	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20268 - EPA 5030B											
LCS Dup (BG20268-BSD1) LCS Dup								Prepared & Analyzed: 07/07/2022			
Bromomethane	6.8		ug/L	10.0		68.5	43-168		7.58	30	
Carbon disulfide	11		"	10.0		109	68-146		4.85	30	
Carbon tetrachloride	11		"	10.0		112	77-141		1.85	30	
Chlorobenzene	10		"	10.0		99.8	88-120		1.79	30	
Chloroethane	11		"	10.0		113	65-136		0.969	30	
Chloroform	11		"	10.0		112	82-128		1.77	30	
Chloromethane	6.7		"	10.0		66.8	43-155		2.12	30	
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129		1.99	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		95.2	80-131		1.04	30	
Cyclohexane	9.3		"	10.0		93.1	63-149		2.75	30	
Dibromochloromethane	9.5		"	10.0		95.0	80-130		0.316	30	
Dibromomethane	9.6		"	10.0		96.2	72-134		0.311	30	
Dichlorodifluoromethane	6.0		"	10.0		59.8	44-144		3.29	30	
Ethyl Benzene	9.8		"	10.0		97.9	80-131		2.32	30	
Hexachlorobutadiene	8.5		"	10.0		85.1	67-146		1.52	30	
Isopropylbenzene	9.2		"	10.0		92.0	76-140		1.83	30	
Methyl acetate	9.4		"	10.0		93.9	51-139		0.107	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		0.277	30	
Methylcyclohexane	8.5		"	10.0		84.9	72-143		1.98	30	
Methylene chloride	7.9		"	10.0		78.8	55-137		0.506	30	
n-Butylbenzene	9.8		"	10.0		98.3	79-132		1.02	30	
n-Propylbenzene	9.2		"	10.0		91.8	78-133		2.47	30	
o-Xylene	9.9		"	10.0		99.0	78-130		1.20	30	
p- & m- Xylenes	20		"	20.0		102	77-133		1.94	30	
p-Isopropyltoluene	9.0		"	10.0		89.9	81-136		1.11	30	
sec-Butylbenzene	9.0		"	10.0		90.0	79-137		1.32	30	
Styrene	9.8		"	10.0		97.5	67-132		1.32	30	
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162		0.288	30	
tert-Butylbenzene	9.0		"	10.0		89.7	77-138		1.22	30	
Tetrachloroethylene	7.4		"	10.0		73.9	82-131	Low Bias	1.74	30	
Toluene	9.5		"	10.0		95.0	80-127		1.77	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		3.56	30	
trans-1,3-Dichloropropylene	9.5		"	10.0		94.9	78-131		1.36	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.3	63-141		0.863	30	
Trichloroethylene	9.3		"	10.0		92.9	82-128		2.97	30	
Trichlorofluoromethane	11		"	10.0		111	67-139		2.32	30	
Vinyl Chloride	8.8		"	10.0		87.5	58-145		3.15	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.27*		*"*	*10.0*		*92.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.66*		*"*	*10.0*		*96.6*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21829 - Preparation for GC Analysis											
Blank (BF21829-BLK1) Blank									Prepared & Analyzed: 06/29/2022		
Methane	ND	5.0	ug/L								
Ethane	ND	5.0	"								
Ethylene (Ethene)	ND	5.0	"								
Duplicate (BF21829-DUP1) Duplicate	*Source sample: 22F1322-03 (316_LMW_45)								Prepared & Analyzed: 06/29/2022		
Methane	960	5.0	ug/L		900				7.24	35	
Ethane	ND	5.0	"		ND					35	
Ethylene (Ethene)	ND	5.0	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20135 - EPA 3015A											
Blank (BG20135-BLK1) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron	ND	0.278	mg/L								
Manganese	ND	0.00556	"								
LCS (BG20135-BS1) LCS									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron	1.17		ug/mL	1.00		117	80-120				
Manganese	0.531		"	0.500		106	80-120				
Duplicate (BG20135-DUP1) Duplicate *Source sample: 22F1322-03 (316_LMW_45)									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron	28.2	0.278	mg/L		29.0				2.81	20	
Manganese	1.88	0.00556	"		1.89				0.536	20	
Matrix Spike (BG20135-MS1) Matrix Spike *Source sample: 22F1322-03 (316_LMW_45)									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron	27.7	0.278	mg/L	1.11	29.0	NR	75-125	Low Bias			
Manganese	2.46	0.00556	"	0.556	1.89	102	75-125				
Post Spike (BG20135-PS1) Post Spike *Source sample: 22F1322-03 (316_LMW_45)									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron	21.8		ug/mL	1.00	29.0	NR	75-125	Low Bias			
Manganese	2.20		"	0.500	1.89	61.3	75-125	Low Bias			
Batch BG20136 - EPA 3015A											
Blank (BG20136-BLK1) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron - Dissolved	ND	0.278	mg/L								
Manganese - Dissolved	ND	0.00556	"								
LCS (BG20136-BS1) LCS									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron - Dissolved	1.13		ug/mL	1.00		113	80-120				
Manganese - Dissolved	0.524		"	0.500		105	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20136 - EPA 3015A											
Duplicate (BG20136-DUP1) Duplicate	*Source sample: 22F1322-03 (316_LMW_45)								Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron - Dissolved	ND	0.278	mg/L		ND					20	
Manganese - Dissolved	1.80	0.00556	"		1.82				1.19	20	
Matrix Spike (BG20136-MS1) Matrix Spike	*Source sample: 22F1322-03 (316_LMW_45)								Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron - Dissolved	1.20	0.278	mg/L	1.11	ND	108	75-125				
Manganese - Dissolved	2.38	0.00556	"	0.556	1.82	100	75-125				
Post Spike (BG20136-PS1) Post Spike	*Source sample: 22F1322-03 (316_LMW_45)								Prepared: 07/05/2022 Analyzed: 07/06/2022		
Iron - Dissolved	1.05		ug/mL	1.00	0.0140	103	75-125				
Manganese - Dissolved	2.17		"	0.500	1.82	69.2	75-125	Low Bias			

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21686 - EPA 300												
Blank (BF21686-BLK1)	Blank								Prepared & Analyzed: 06/25/2022			
Nitrate as N		ND	0.0500	mg/L								
Nitrite as N		ND	0.0500	"								
LCS (BF21686-BS1)	LCS								Prepared & Analyzed: 06/25/2022			
Nitrate as N		10.2	0.0500	mg/L	10.0		102	90-110				
Nitrite as N		10.2	0.0500	"	10.0		102	90-110				
Duplicate (BF21686-DUP1)	Duplicate	*Source sample: 22F1322-03 (316_LMW_45)							Prepared & Analyzed: 06/25/2022			
Nitrate as N		ND	0.0500	mg/L		ND					15	
Nitrite as N		ND	0.0500	"		ND					15	
Matrix Spike (BF21686-MS1)	Matrix Spike	*Source sample: 22F1322-03 (316_LMW_45)							Prepared & Analyzed: 06/25/2022			
Nitrate as N		10.3	0.0500	mg/L	10.0	ND	103	90-110				
Nitrite as N		9.26	0.0500	"	10.0	ND	92.6	90-110				
Matrix Spike (BF21686-MS2)	Matrix Spike	*Source sample: 22F1322-01 (306_LMW_38)							Prepared & Analyzed: 06/25/2022			
Nitrate as N		10.3	0.0500	mg/L	10.0	ND	103	90-110				
Nitrite as N		9.28	0.0500	"	10.0	ND	92.8	90-110				
Batch BF21787 - EPA 300												
Blank (BF21787-BLK1)	Blank								Prepared & Analyzed: 06/27/2022			
Chloride		ND	0.500	mg/L								
Sulfate		ND	1.00	"								
LCS (BF21787-BS1)	LCS								Prepared & Analyzed: 06/27/2022			
Chloride		9.55	0.500	mg/L	10.0		95.5	90-110				
Sulfate		10.1	1.00	"	10.0		101	85-115				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21787 - EPA 300											
Duplicate (BF21787-DUP1) Duplicate	*Source sample: 22F1322-03 (316_LMW_45)							Prepared: 06/27/2022 Analyzed: 06/28/2022			
Chloride	477	10.0	mg/L		499				4.56	15	
Sulfate	97.5	20.0	"		103				5.34	15	
Matrix Spike (BF21787-MS1) Matrix Spike	*Source sample: 22F1322-03 (316_LMW_45)							Prepared & Analyzed: 06/27/2022			
Chloride	351	5.00	mg/L	10.0	499	NR	85-115	Low Bias			
Sulfate	81.8	10.0	"	10.0	103	NR	85-115	Low Bias			
Matrix Spike (BF21787-MS2) Matrix Spike	*Source sample: 22F1322-01 (306_LMW_38)							Prepared & Analyzed: 06/27/2022			
Chloride	410	5.00	mg/L	10.0	527	NR	85-115	Low Bias			
Sulfate	255	10.0	"	10.0	289	NR	85-115	Low Bias			
Batch BG20053 - EPA 300											
Blank (BG20053-BLK1) Blank								Prepared: 06/30/2022 Analyzed: 07/01/2022			
Chloride	ND	0.500	mg/L								
LCS (BG20053-BS1) LCS								Prepared: 06/30/2022 Analyzed: 07/01/2022			
Chloride	9.60	0.500	mg/L	10.0		96.0	90-110				
Duplicate (BG20053-DUP1) Duplicate	*Source sample: 22F1542-05 (Duplicate)							Prepared: 06/30/2022 Analyzed: 07/01/2022			
Chloride	381	0.500	mg/L						200	15	Non-dir.
Matrix Spike (BG20053-MS1) Matrix Spike	*Source sample: 22F1542-05 (Matrix Spike)							Prepared: 06/30/2022 Analyzed: 07/01/2022			
Chloride	359	0.500	mg/L	10.0		NR	85-115	High Bias			
Matrix Spike (BG20053-MS2) Matrix Spike	*Source sample: 22F1542-10 (Matrix Spike)							Prepared: 06/30/2022 Analyzed: 07/01/2022			
Chloride	91.2	0.500	mg/L	10.0		912	85-115	High Bias			

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20016 - Analysis Preparation												
Duplicate (BG20016-DUP1)	Duplicate	*Source sample: 22F1322-03 (316_LMW_45)								Prepared & Analyzed: 07/01/2022		
Alkalinity, total		240	2.0	mg/L		250				4.08	15	
Reference (BG20016-SRM1)	Reference									Prepared & Analyzed: 07/01/2022		
Alkalinity, total		140		mg/L	154		90.9	90.26-109.74				
Batch BG20019 - Analysis Preparation												
Blank (BG20019-BLK1)	Blank									Prepared & Analyzed: 07/01/2022		
Sulfide		ND	1.0	mg/L								
LCS (BG20019-BS1)	LCS									Prepared & Analyzed: 07/01/2022		
Sulfide		45	1.0	mg/L	50.0		89.6	80-120				
Duplicate (BG20019-DUP1)	Duplicate	*Source sample: 22F1322-03 (316_LMW_45)								Prepared & Analyzed: 07/01/2022		
Sulfide		ND	1.0	mg/L		ND					15	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21881 - % Solids Prep												
Blank (BF21881-BLK1)	Blank									Prepared & Analyzed: 06/29/2022		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BF21881-DUP1)	Duplicate	*Source sample: 22F1254-03 (Duplicate)								Prepared & Analyzed: 06/29/2022		
Total Dissolved Solids		1530	10.0	mg/L		1540				0.521	15	
Duplicate (BF21881-DUP2)	Duplicate	*Source sample: 22F1322-03 (316_LMW_45)								Prepared & Analyzed: 06/29/2022		
Total Dissolved Solids		1530	10.0	mg/L		1550				1.56	15	
Batch BF21967 - % Solids Prep												
Blank (BF21967-BLK1)	Blank									Prepared & Analyzed: 06/30/2022		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BF21967-DUP1)	Duplicate	*Source sample: 22F1426-01 (Duplicate)								Prepared & Analyzed: 06/30/2022		
Total Dissolved Solids		310	10.0	mg/L		304				1.95	15	
Duplicate (BF21967-DUP2)	Duplicate	*Source sample: 22F1450-01 (Duplicate)								Prepared & Analyzed: 06/30/2022		
Total Dissolved Solids		143	10.0	mg/L		150				4.78	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22F1322-01	306_LMW_38	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-02	307_LMW_39	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-03	316_LMW_45	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-04	317_LMW_47	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-05	318_LMW_48	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-06	319_LMW_49	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-07	320_LMW_50	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-08	321_LMW_51	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-09	322_DUP	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22F1322-10	323_20220624TB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22F1321

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: LANGAN ENGINEERING	Company:	Company:
Address: 300 Kimball Dr Parsippany NJ 07054	Address: SAME	Address: SAME
Phone: 973-560-4500	Phone:	Phone:
Contact: S. Haines	Contact: Aroona Boodram	Contact:
E-mail: shaines@langan.com	E-mail: Aboodram@langan.com	E-mail:

YOUR Project Number: 100766601

YOUR Project Name: 23-30 Borden Ave

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

SAM HAINES

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
306_LMW-38	GW	6/24/22 1330	VOCs, Total + Diss. Iron, Total + Diss. Manganese, Nitrate, Nitrite, Sulfate, Sulfide, Chloride, Methane, Ethene, Ethane, TOC, TDS, Alkalinity	7x40 mL, 1x 500mL plastic, 3x 250 mL plastic, 1x amber
307_LMW-39	GW	1140		
316_LMW-45 *	GW	0630		
317_LMW-47	GW	0830		
318_LMW-48	GW	1020		
319_LMW-49	GW	1200		
320_LMW-50	GW	1340		
321_LMW-51	GW	0940		
322_DUP	GW	0945		
323_20220624_TB	AQ	-	VOCs	2x 40mL

Comments: * MS/MSD Volume Collected

Firm 5-day TAT

Preservation: (check all that apply)

HCl X | MeOH ___ | HNO3 X | H2SO4 ___ | NaOH ___
ZnAc X | Ascorbic Acid ___ | Other: ___

Special Instruction

Field Filtered
Lab to Filter X

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time
	6/24/22 1500		6/24/22		6.24.22 1633
2. Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time
Ivan B	6.24.22 1633	Ivan B	6.24.22 2000		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					6/24/22 2000 1.1 Degrees C

Wednesday, July 06, 2022

Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Project ID: 22F1322
SDG ID: GCL66347
Sample ID#s: CL66347 - CL66355

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

July 06, 2022

SDG I.D.: GCL66347

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

July 06, 2022

SDG I.D.: GCL66347

Project ID: 22F1322

Client Id	Lab Id	Matrix
22F1322-01	CL66347	WATER
22F1322-02	CL66348	WATER
22F1322-03	CL66349	WATER
22F1322-04	CL66350	WATER
22F1322-05	CL66351	WATER
22F1322-06	CL66352	WATER
22F1322-07	CL66353	WATER
22F1322-08	CL66354	WATER
22F1322-09	CL66355	WATER

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	13:30
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66347

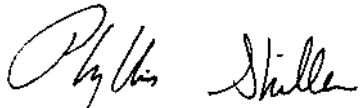
Project ID: 22F1322
Client ID: 22F1322-01

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	4.0	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	11:40
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66348

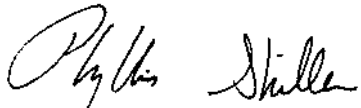
Project ID: 22F1322
Client ID: 22F1322-02

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	7.2	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	8:30
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66349

Project ID: 22F1322
Client ID: 22F1322-03

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	3.7	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11
Client MS/MSD	Completed					06/29/22		

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	8:30
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66350

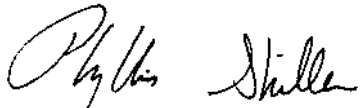
Project ID: 22F1322
Client ID: 22F1322-04

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	3.3	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	10:20
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66351

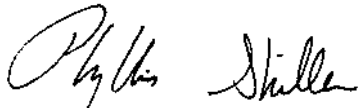
Project ID: 22F1322
Client ID: 22F1322-05

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	8.2	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	12:00
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66352

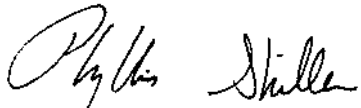
Project ID: 22F1322
Client ID: 22F1322-06

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	6.1	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	13:40
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66353

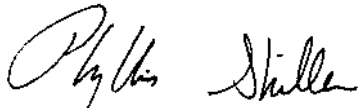
Project ID: 22F1322
Client ID: 22F1322-07

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	3.1	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	9:40
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66354

Project ID: 22F1322
Client ID: 22F1322-08

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	3.1	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 06, 2022

FOR: Attn: Ms.Cassie Mosher
York Analytical Laboratories
120 Research Drive
Stratford, CT 06615

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/24/22	9:45
Location Code:	YORK	Received by:	SW	06/29/22	10:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	22F1322				

Laboratory Data

SDG ID: GCL66347
Phoenix ID: CL66355

Project ID: 22F1322
Client ID: 22F1322-09

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Organic Carbon	3.2	1.0	1.0	mg/L	1	07/01/22	BJA	SM5310B-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director
July 06, 2022
Reviewed and Released by: Rashmi Makol, Project Manager

Wednesday, July 06, 2022

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCL66347 - YORK

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

July 06, 2022

SDG I.D.: GCL66347

The samples in this delivery group were received at 7.9°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

WCIP
79

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1322

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

SENDING LABORATORY:

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Phone: 203.325.1371
Fax: 203.357.0166
Contact: **York Analytical**

RECEIVING LABORATORY:

Phoenix Environmental Laboratories, Inc. S
587 East Middle Turnpike P.O. Box 370
Manchester, CT 06045
Phone :(860) 645-1102
Fax: (860) 645-0823

York Ref: 22F1322-01

Sample ID: 306_LMW_38 66347 **Matrix: Water** **Date Sampled : 06/24/2022 13:30**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 13:30	

Containers Supplied:
250 ml Amber H3P04

York Ref: 22F1322-02

Sample ID: 307_LMW_39 66348 **Matrix: Water** **Date Sampled : 06/24/2022 11:40**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 11:40	

Containers Supplied:
250 ml Amber H3P04

York Purchase Order No.: 22F1322 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/11/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Kristina M. Blocker	6/28/2022	6/29/22	0700
Released By York Sample Control	Date	Received By	Date
6/29/22	1010	6/29	1030
Received By	Date	Received in Subcontract Lab By	Date

NCP 7.9

6/28/2022

YORK

Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1322

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

York Ref: 22F1322-03

Sample ID: 316_LMW_45 66349 **Matrix: Water** **Date Sampled : 06/24/2022 08:30**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 08:30	MS/MSD

Containers Supplied:

250 ml Amber H3P04 X3

York Ref: 22F1322-04

Sample ID: 317_LMW_47 66350 **Matrix: Water** **Date Sampled : 06/24/2022 08:30**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 08:30	

Containers Supplied:

250 ml Amber H3P04

York Ref: 22F1322-05

Sample ID: 318_LMW_48 66351 **Matrix: Water** **Date Sampled : 06/24/2022 10:20**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 10:20	

Containers Supplied:

250 ml Amber H3P04

York Purchase Order No.: 22F1322 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/11/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Kristina M. Blocker 6/28/2022

Released By York Sample Control Date

Received By 6/29/22 0700

Date

Received By 6/29/22 1010

Date

Received in Subcontract Lab By 6/29/22 1030

Date

WCIP 7.9

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1322

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Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

York Ref: 22F1322-06

Sample ID: 319_LMW_49 66352 **Matrix: Water** **Date Sampled : 06/24/2022 12:00**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 12:00	

Containers Supplied:

250 ml Amber H3P04

York Ref: 22F1322-07

Sample ID: 320_LMW_50 66353 **Matrix: Water** **Date Sampled : 06/24/2022 13:40**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 13:40	

Containers Supplied:

250 ml Amber H3P04

York Ref: 22F1322-08

Sample ID: 321_LMW_51 66354 **Matrix: Water** **Date Sampled : 06/24/2022 09:40**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 09:40	

Containers Supplied:

250 ml Amber H3P04

York Purchase Order No.: 22F1322 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/11/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Kristina M. Blocker 6/28/2022 — 6/29/22 0702

Released By York Sample Control — Date — Received By — Date

6/29/22 1010 — 6/29 1030

Received By — Date — Received in Subcontract Lab By — Date

LUCIP
7.9

6/28/2022

YORK
Analytical Laboratories, Inc.

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody

York Project No.: 22F1322

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific paramters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to: York Analytical at the address below**

York Ref: 22F1322-09

Sample ID: 322_DUP 66355 **Matrix: Water** **Date Sampled : 06/24/2022 09:45**

Analysis Needed	Date Due	Holding Time Expires	Comments
Total Organic Carbon (TOC-SUB)	07/08/2022 16:30	07/22/2022 09:45	

Containers Supplied:

250 ml Amber H3P04

York Purchase Order No.: 22F1322 Samples from State of: NY

Deliverables required: NYSDEC ASP B **Data Pkg DUE: 07/11/2022**

EDDs required: NYSDEC + RegComp Table **Special Info:**

Reporting level: MDL/LOD

Chain-of-Custody Information

Kristina M. Blocker 6/28/2022		6/28/22 0700	
Released By York Sample Control	Date	Received By	Date
6/29/22 1010		6/29 1030	
Received By	Date	Received in Subcontract Lab By	Date

10515 Research Drive
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

Client: Aroona Boodram
Langan Engineering & Environmental Services
1300 Wilson Boulevard
Suite 450
Arlington, VA 22209

Phone:

Fax:

Identifier: 094TF **Date Rec:** 06/24/2022 **Report Date:** 06/30/2022

Client Project #: 100766601 **Client Project Name:** 23-30 Borden Ave

Purchase Order #:

Test results provided for: CENSUS

Reviewed By:

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

Results relate only to the items tested and the sample(s) as received by the laboratory.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **094TF**
Date Received: 06/24/2022

Sample Information

Client Sample ID:		**303_LMW-35**	**304_LMW-36**	**305_LMW-37**	**308_LMW-40**	**309_LMW-41**
Sample Date:		06/23/2022	06/23/2022	06/23/2022	06/23/2022	06/23/2022
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		BB	BB	BB	BB	BB
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**1.68E+02**	**7.29E+01**	**1.39E+02**	**8.58E+01**	**2.07E+01**
Phylogenetic Group						
Total Eubacteria	EBAC	**7.50E+06**	**7.95E+05**	**1.95E+06**	**8.01E+05**	**6.88E+05**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **094TF**
Date Received: 06/24/2022

Sample Information

Client Sample ID:		**310_LMW-42**	**311_LMW-43**	**312_LMW-44**	**315_LMW-46**	**306_LMW-38**
Sample Date:		06/23/2022	06/23/2022	06/23/2022	06/23/2022	06/24/2022
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		BB	BB	BB	BB	BB
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	<5.00E-01	**7.40E+00**	**2.79E+01**	**2.42E+01**	**2.10E+00**
Phylogenetic Group						
Total Eubacteria	EBAC	**6.18E+05**	**3.29E+06**	**2.67E+06**	**2.61E+06**	**8.31E+03**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **094TF**
Date Received: 06/24/2022

Sample Information

Client Sample ID:		**307_LMW-39**	**316_LMW-45**	**317_LMW-47**	**318_LMW-48**	**319_LMW-49**
Sample Date:		06/24/2022	06/24/2022	06/24/2022	06/24/2022	06/24/2022
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		BB	BB	BB	BB	BB
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**2.70E+02**	**8.39E+01**	**4.94E+01**	**7.68E+02**	**3.32E+01**
Phylogenetic Group						
Total Eubacteria	EBAC	**4.84E+04**	**3.23E+06**	**1.84E+06**	**9.27E+06**	**3.29E+06**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **094TF**
Date Received: 06/24/2022

Sample Information

Client Sample ID:		**320_LMW-50**	**321_LMW-51**
Sample Date:		06/24/2022	06/24/2022
Units:		cells/mL	cells/mL
Analyst/Reviewer:		BB	BB
Dechlorinating Bacteria			
Dehalococcoides	*DHC*	**1.09E+01**	**9.00E-01**
Phylogenetic Group			
Total Eubacteria	EBAC	**1.02E+07**	**5.44E+06**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Quality Assurance/Quality Control Data

Samples Received **6/24/2022**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	06/24/2022	06/30/2022	10 °C	100%	non-detect	non-detect
EBAC	06/24/2022	06/30/2022	10 °C	103%	non-detect	non-detect

Samples Received **6/25/2022**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	06/27/2022	06/30/2022	0 °C	101%	non-detect	non-detect
EBAC	06/27/2022	06/30/2022	0 °C	105%	non-detect	non-detect

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 11/10/2022
Client Project ID: 100766601
York Project (SDG) No.: 22J1446

Report Date: 11/10/2022
Client Project ID: 100766601
York Project (SDG) No.: 22J1446

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 27, 2022 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

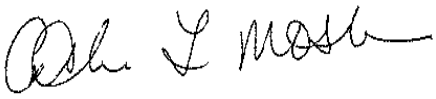
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22J1446-01	LMW-35_20221027	Water	10/27/2022	10/27/2022
22J1446-02	LMW-37_20221027	Water	10/27/2022	10/27/2022
22J1446-03	LMW-36_20221027	Water	10/27/2022	10/27/2022
22J1446-04	LMW-38_20221027	Water	10/27/2022	10/27/2022
22J1446-05	LMW-39_20221027	Water	10/27/2022	10/27/2022
22J1446-06	FB_20221027	Water	10/27/2022	10/27/2022
22J1446-07	DUP_20221027	Water	10/27/2022	10/27/2022
22J1446-08	TB_20221027	Water	10/27/2022	10/27/2022

General Notes for York Project (SDG) No.: 22J1446

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 11/10/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: LMW-35_20221027 **York Sample ID:** 22J1446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	200	200	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-35_20221027 **York Sample ID:** 22J1446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	5.0	10	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**46**		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**4.8**		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-35_20221027 **York Sample ID:** 22J1446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**4.9**		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**1.7**	J	ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**19**	CCVE, B	ug/L	5.0	10	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**1.0**	CCVE, J	ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-35_20221027 **York Sample ID:** 22J1446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	11/08/2022 12:30	11/09/2022 13:54	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**760**		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 13:20	SK
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 13:20	SK
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 13:20	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.503**		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 14:58	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:14	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.130**		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 14:58	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-35_20221027 **York Sample ID:** 22J1446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.126**		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:14	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**194**		mg/L	50.0	100	EPA 300.0	10/28/2022 22:31	10/28/2022 22:31	AD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 16:49	10/28/2022 16:49	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 16:49	10/28/2022 16:49	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**133**		mg/L	100	100	EPA 300.0	10/28/2022 22:31	10/28/2022 22:31	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**430**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.4**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-35_20221027 **York Sample ID:** 22J1446-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**12.4**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 13:13	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1240**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-37_20221027 **York Sample ID:** 22J1446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**3.0**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**2.8**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-37_20221027 **York Sample ID:** 22J1446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**28**	ICVE	ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**12**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**3.5**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-37_20221027 **York Sample ID:** 22J1446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**20**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**2.2**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**5.3**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**9.1**	J	ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-37_20221027 **York Sample ID:** 22J1446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**8.2**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**14**	J	ug/L	6.0	15	10	EPA 8260C	11/08/2022 12:30	11/08/2022 20:17	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.5 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**12000**		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 14:26	SK
							Certifications:			
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 14:26	SK
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 14:26	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**6.13**		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:17	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:36	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.325**		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:17	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-37_20221027 **York Sample ID:** 22J1446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.343**		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:36	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**213**		mg/L	50.0	100	EPA 300.0	10/28/2022 22:40	10/28/2022 22:40	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:17	10/28/2022 17:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	**Nitrite as N**	**0.348**		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:17	10/28/2022 17:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**107**		mg/L	10.0	10	EPA 300.0	11/02/2022 20:28	11/02/2022 20:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**420**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-37_20221027 **York Sample ID:** 22J1446-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:45 am	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**90.6**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 13:55	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1160**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-36_20221027 **York Sample ID:** 22J1446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 11:30 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	200	200	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-36_20221027 **York Sample ID:** 22J1446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 11:30 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	5.0	10	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**15**		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**30**		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**1.1**	J	ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-36_20221027 **York Sample ID:** 22J1446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 11:30 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**1.5**	J	ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-36_20221027 **York Sample ID:** 22J1446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 11:30 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**230**		ug/L	1.0	2.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	11/08/2022 12:30	11/08/2022 20:45	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**1300**		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 13:49	SK
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 13:49	SK
							Certifications:			
74-85-1	*** Ethylene (Ethene)**	**14**		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 13:49	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.918**		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:20	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:39	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.394**		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:20	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-36_20221027 **York Sample ID:** 22J1446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 11:30 am	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.395**		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:39	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**158**		mg/L	50.0	100	EPA 300.0	10/28/2022 22:50	10/28/2022 22:50	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:37	10/28/2022 17:37	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:37	10/28/2022 17:37	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**203**		mg/L	100	100	EPA 300.0	10/28/2022 22:50	10/28/2022 22:50	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**320**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-36_20221027 **York Sample ID:** 22J1446-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 11:30 am	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**12.3**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 14:10	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1150**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-38_20221027** **York Sample ID:** **22J1446-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 1:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**36**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**17**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**10**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-38_20221027 **York Sample ID:** 22J1446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 1:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**28**	ICVE	ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**11**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**3.9**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-38_20221027 **York Sample ID:** 22J1446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 1:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**160**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**30**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**17**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**18**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**33**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**47**		ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**3.3**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**4.7**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-38_20221027 **York Sample ID:** 22J1446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 1:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**4.2**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**80**		ug/L	6.0	15	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:14	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.3 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**12000**		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 14:43	SK
							Certifications:			
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 14:43	SK
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 14:43	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**16.3**		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:23	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.921**		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:23	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-38_20221027 **York Sample ID:** 22J1446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 1:20 pm	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.858**		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**241**		mg/L	50.0	100	EPA 300.0	10/28/2022 23:00	10/28/2022 23:00	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:47	10/28/2022 17:47	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:47	10/28/2022 17:47	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**1.85**		mg/L	1.00	1	EPA 300.0	10/28/2022 17:47	10/28/2022 17:47	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**530**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-38_20221027 **York Sample ID:** 22J1446-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 1:20 pm	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**80.9**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 14:22	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1120**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-39_20221027 **York Sample ID:** 22J1446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:40 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**34**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**16**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-39_20221027 **York Sample ID:** 22J1446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:40 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**21**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**4.5**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-39_20221027 **York Sample ID:** 22J1446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:40 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**140**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**29**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**22**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**18**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**28**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**38**		ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**2.9**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**3.6**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-39_20221027 **York Sample ID:** 22J1446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:40 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**66**		ug/L	6.0	15	10	EPA 8260C	11/08/2022 12:30	11/08/2022 21:42	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.6 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**12000**		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 15:00	SK
							Certifications:			
74-84-0	*** Ethane**	**160**		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 15:00	SK
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 15:00	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.400**		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:25	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.158**		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:25	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-39_20221027 **York Sample ID:** 22J1446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:40 pm	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.154**		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**179**		mg/L	50.0	100	EPA 300.0	10/28/2022 23:31	10/28/2022 23:31	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:56	10/28/2022 17:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 17:56	10/28/2022 17:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**1.70**		mg/L	1.00	1	EPA 300.0	10/28/2022 17:56	10/28/2022 17:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**590**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**5.6**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-39_20221027 **York Sample ID:** 22J1446-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:40 pm	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**22.7**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 14:36	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1080**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: FB_20221027 **York Sample ID:** 22J1446-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20221027 **York Sample ID:** 22J1446-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB_20221027 **York Sample ID:** 22J1446-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**2.9**		ug/L	1.0	2.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20221027 **York Sample ID:** 22J1446-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:20 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/08/2022 12:30	11/08/2022 22:11	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 15:12	SK
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 15:12	SK
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	10/29/2022 11:22	10/29/2022 15:12	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:28	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:48	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:28	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB_20221027 **York Sample ID:** 22J1446-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:20 pm	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:48	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	ND		mg/L	0.500	1	EPA 300.0	10/29/2022 00:00	10/29/2022 00:00	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 18:26	10/28/2022 18:26	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 18:26	10/28/2022 18:26	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	10/29/2022 00:00	10/29/2022 00:00	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**4.0**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**3.5**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: FB_20221027 **York Sample ID:** 22J1446-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 2:20 pm	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.08**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 14:52	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**34.0**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20221027 **York Sample ID:** 22J1446-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:55 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**2.8**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: DUP_20221027 **York Sample ID:** 22J1446-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:55 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**28**	ICVE	ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**11**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**3.5**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20221027 **York Sample ID:** 22J1446-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:55 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**18**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**2.2**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**4.9**	J	ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**8.1**	J	ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: DUP_20221027 **York Sample ID:** 22J1446-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:55 am	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**8.6**		ug/L	2.0	5.0	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**13**	J	ug/L	6.0	15	10	EPA 8260C	11/08/2022 12:30	11/08/2022 22:39	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**14000**		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 15:24	SK
							Certifications:			
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 15:24	SK
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	10/29/2022 11:22	10/29/2022 15:24	SK
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**6.27**		mg/L	0.278	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:31	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:51	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.338**		mg/L	0.00556	1	EPA 6010D	11/02/2022 14:40	11/03/2022 15:31	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20221027 **York Sample ID:** 22J1446-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:55 am	10/27/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.318**		mg/L	0.00556	1	EPA 6010D	11/03/2022 11:10	11/03/2022 17:51	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**196**		mg/L	50.0	100	EPA 300.0	10/28/2022 23:50	10/28/2022 23:50	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/28/2022 18:36	10/28/2022 18:36	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	**Nitrite as N**	**0.337**		mg/L	0.0500	1	EPA 300.0	10/28/2022 18:36	10/28/2022 18:36	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**109**		mg/L	10.0	10	EPA 300.0	11/02/2022 20:55	11/02/2022 20:55	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**410**		mg/L	2.0	1	SM 2320B	10/28/2022 07:06	10/28/2022 10:48	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**4.8**		mg/L	1.0	1	SM 4500-S F	11/01/2022 08:56	11/01/2022 08:56	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: DUP_20221027 **York Sample ID:** 22J1446-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 9:55 am	10/27/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**86.4**		mg/L	1.00	1	SM 5310B-2014	11/02/2022 10:05	11/02/2022 15:05	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1170**		mg/L	10.0	1	SM 2540C-2015	10/27/2022 20:29	10/27/2022 20:29	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20221027 **York Sample ID:** 22J1446-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 3:00 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20221027 **York Sample ID:** 22J1446-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 3:00 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20221027 **York Sample ID:** 22J1446-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 3:00 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**6.5**		ug/L	1.0	2.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20221027 **York Sample ID:** 22J1446-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22J1446	100766601	Water	October 27, 2022 3:00 pm	10/27/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/08/2022 12:30	11/08/2022 18:23	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Analytical Batch Summary

Batch ID: BJ21660 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	10/27/22
22J1446-02	LMW-37_20221027	10/27/22
22J1446-03	LMW-36_20221027	10/27/22
22J1446-04	LMW-38_20221027	10/27/22
22J1446-05	LMW-39_20221027	10/27/22
22J1446-06	FB_20221027	10/27/22
22J1446-07	DUP_20221027	10/27/22
BJ21660-BLK1	Blank	10/27/22
BJ21660-DUP1	Duplicate	10/27/22
BJ21660-DUP2	Duplicate	10/27/22

Batch ID: BJ21666 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	10/28/22
22J1446-02	LMW-37_20221027	10/28/22
22J1446-03	LMW-36_20221027	10/28/22
22J1446-04	LMW-38_20221027	10/28/22
22J1446-05	LMW-39_20221027	10/28/22
22J1446-06	FB_20221027	10/28/22
22J1446-07	DUP_20221027	10/28/22
BJ21666-DUP1	Duplicate	10/28/22
BJ21666-SRM1	Reference	10/28/22

Batch ID: BJ21743 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	10/29/22
22J1446-02	LMW-37_20221027	10/29/22
22J1446-03	LMW-36_20221027	10/29/22
22J1446-04	LMW-38_20221027	10/29/22
22J1446-05	LMW-39_20221027	10/29/22
22J1446-06	FB_20221027	10/29/22
22J1446-07	DUP_20221027	10/29/22
BJ21743-BLK1	Blank	10/29/22
BJ21743-DUP1	Duplicate	10/29/22

Batch ID: BJ21834 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	10/28/22
22J1446-02	LMW-37_20221027	10/28/22
22J1446-03	LMW-36_20221027	10/28/22
22J1446-04	LMW-38_20221027	10/28/22



22J1446-05	LMW-39_20221027	10/28/22
22J1446-06	FB_20221027	10/28/22
22J1446-07	DUP_20221027	10/28/22
BJ21834-BLK1	Blank	10/28/22
BJ21834-BS1	LCS	10/28/22
BJ21834-DUP1	Duplicate	10/28/22
BJ21834-MS1	Matrix Spike	10/28/22

Batch ID: BJ21835 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	10/28/22
22J1446-02	LMW-37_20221027	10/28/22
22J1446-03	LMW-36_20221027	10/28/22
22J1446-04	LMW-38_20221027	10/28/22
22J1446-05	LMW-39_20221027	10/28/22
22J1446-06	FB_20221027	10/29/22
22J1446-07	DUP_20221027	10/28/22
BJ21835-BLK1	Blank	10/28/22
BJ21835-BS1	LCS	10/28/22
BJ21835-DUP1	Duplicate	10/28/22
BJ21835-MS1	Matrix Spike	10/28/22
BJ21835-MS2	Matrix Spike	10/28/22

Batch ID: BK20016 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	11/01/22
22J1446-02	LMW-37_20221027	11/01/22
22J1446-03	LMW-36_20221027	11/01/22
22J1446-04	LMW-38_20221027	11/01/22
22J1446-05	LMW-39_20221027	11/01/22
22J1446-06	FB_20221027	11/01/22
22J1446-07	DUP_20221027	11/01/22
BK20016-BLK1	Blank	11/01/22
BK20016-BS1	LCS	11/01/22
BK20016-DUP1	Duplicate	11/01/22

Batch ID: BK20101 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	11/02/22
22J1446-02	LMW-37_20221027	11/02/22
22J1446-03	LMW-36_20221027	11/02/22
22J1446-04	LMW-38_20221027	11/02/22
22J1446-05	LMW-39_20221027	11/02/22
22J1446-06	FB_20221027	11/02/22
22J1446-07	DUP_20221027	11/02/22
BK20101-BS1	LCS	11/02/22
BK20101-DUP1	Duplicate	11/02/22



BK20101-MS1	Matrix Spike	11/02/22

Batch ID: BK20125 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	11/02/22
22J1446-02	LMW-37_20221027	11/02/22
22J1446-03	LMW-36_20221027	11/02/22
22J1446-04	LMW-38_20221027	11/02/22
22J1446-05	LMW-39_20221027	11/02/22
22J1446-06	FB_20221027	11/02/22
22J1446-07	DUP_20221027	11/02/22
BK20125-BLK1	Blank	11/02/22
BK20125-BS1	LCS	11/02/22
BK20125-DUP1	Duplicate	11/02/22
BK20125-MS1	Matrix Spike	11/02/22
BK20125-PS1	Post Spike	11/02/22

Batch ID: BK20208 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	11/03/22
22J1446-02	LMW-37_20221027	11/03/22
22J1446-03	LMW-36_20221027	11/03/22
22J1446-04	LMW-38_20221027	11/03/22
22J1446-05	LMW-39_20221027	11/03/22
22J1446-06	FB_20221027	11/03/22
22J1446-07	DUP_20221027	11/03/22
BK20208-BLK1	Blank	11/03/22
BK20208-BS1	LCS	11/03/22
BK20208-DUP1	Duplicate	11/03/22
BK20208-MS1	Matrix Spike	11/03/22
BK20208-PS1	Post Spike	11/03/22

Batch ID: BK20289 **Preparation Method:** EPA 300 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-02	LMW-37_20221027	11/02/22
22J1446-07	DUP_20221027	11/02/22
BK20289-BLK1	Blank	11/02/22
BK20289-BS1	LCS	11/02/22
BK20289-DUP1	Duplicate	11/02/22
BK20289-MS1	Matrix Spike	11/02/22
BK20289-MS2	Matrix Spike	11/02/22

Batch ID: BK20475 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-02	LMW-37_20221027	11/08/22



22J1446-03	LMW-36_20221027	11/08/22
22J1446-04	LMW-38_20221027	11/08/22
22J1446-05	LMW-39_20221027	11/08/22
22J1446-06	FB_20221027	11/08/22
22J1446-07	DUP_20221027	11/08/22
22J1446-08	TB_20221027	11/08/22
BK20475-BLK1	Blank	11/08/22
BK20475-BS1	LCS	11/08/22
BK20475-BSD1	LCS Dup	11/08/22

Batch ID: BK20539 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22J1446-01	LMW-35_20221027	11/08/22
22J1446-04RE1	LMW-38_20221027	11/08/22
22J1446-05RE1	LMW-39_20221027	11/08/22
BK20539-BLK1	Blank	11/09/22
BK20539-BS1	LCS	11/09/22
BK20539-BSD1	LCS Dup	11/09/22
BK20539-MS2	Matrix Spike	11/09/22
BK20539-MSD2	Matrix Spike Dup	11/09/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20475 - EPA 5030B											
Blank (BK20475-BLK1) Blank									Prepared & Analyzed: 11/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20475 - EPA 5030B											
Blank (BK20475-BLK1) Blank									Prepared & Analyzed: 11/08/2022		
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.89*		*"*	*10.0*		*98.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.56*		*"*	*10.0*		*95.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
LCS (BK20475-BS1) LCS									Prepared & Analyzed: 11/08/2022		
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11		"	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		97.7	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		101	40-130				
1,2,3-Trichloropropane	9.8		"	10.0		98.0	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		102	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		100	45-147				
1,2-Dibromoethane	10		"	10.0		100	83-124				
1,2-Dichlorobenzene	10		"	10.0		100	79-123				
1,2-Dichloroethane	11		"	10.0		108	73-132				
1,2-Dichloropropane	10		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131				
1,3-Dichlorobenzene	10		"	10.0		99.8	86-130				
1,4-Dichlorobenzene	9.8		"	10.0		98.4	85-130				
1,4-Dioxane	190		"	210		89.7	10-349				
2-Butanone	9.4		"	10.0		94.1	49-152				
2-Hexanone	8.5		"	10.0		84.6	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		98.2	57-145				
Acetone	5.9		"	10.0		59.1	14-150				
Acrolein	10		"	10.0		99.8	10-153				
Acrylonitrile	11		"	10.0		114	51-150				
Benzene	11		"	10.0		114	85-126				
Bromochloromethane	11		"	10.0		110	77-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20475 - EPA 5030B											
LCS (BK20475-BS1) LCS							Prepared & Analyzed: 11/08/2022				
Bromodichloromethane	9.9		ug/L	10.0		98.8	79-128				
Bromoform	10		"	10.0		101	78-133				
Bromomethane	6.1		"	10.0		60.8	43-168				
Carbon disulfide	12		"	10.0		122	68-146				
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	11		"	10.0		107	65-136				
Chloroform	11		"	10.0		110	82-128				
Chloromethane	9.8		"	10.0		98.4	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		98.7	80-131				
Cyclohexane	11		"	10.0		111	63-149				
Dibromochloromethane	9.9		"	10.0		98.9	80-130				
Dibromomethane	9.9		"	10.0		98.9	72-134				
Dichlorodifluoromethane	12		"	10.0		120	44-144				
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	10		"	10.0		105	67-146				
Isopropylbenzene	10		"	10.0		104	76-140				
Methyl acetate	9.7		"	10.0		96.9	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135				
Methylcyclohexane	10		"	10.0		101	72-143				
Methylene chloride	11		"	10.0		109	55-137				
n-Butylbenzene	8.9		"	10.0		89.3	79-132				
n-Propylbenzene	10		"	10.0		103	78-133				
o-Xylene	10		"	10.0		103	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	10		"	10.0		103	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	10		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	55		"	50.0		110	25-162				
tert-Butylbenzene	10		"	10.0		104	77-138				
Tetrachloroethylene	6.7		"	10.0		66.9	82-131	Low Bias			
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		97.1	78-131				
trans-1,4-dichloro-2-butene	9.6		"	10.0		96.5	63-141				
Trichloroethylene	10		"	10.0		100	82-128				
Trichlorofluoromethane	11		"	10.0		107	67-139				
Vinyl Chloride	12		"	10.0		116	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.83*		*"*	*10.0*		*98.3*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20475 - EPA 5030B											
LCS Dup (BK20475-BSD1) LCS Dup							Prepared & Analyzed: 11/08/2022				
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.7	82-126		3.82	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		7.50	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		2.24	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		109	54-165		7.45	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.3	82-123		0.612	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		6.12	30	
1,1-Dichloroethylene	11		"	10.0		107	68-138		7.01	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.6	40-130		2.01	30	
1,2,3-Trichloropropane	9.6		"	10.0		95.7	77-128		2.37	30	
1,2,4-Trichlorobenzene	9.6		"	10.0		96.3	65-137		5.26	30	
1,2,4-Trimethylbenzene	9.5		"	10.0		95.0	82-132		6.62	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.4	45-147		3.67	30	
1,2-Dibromoethane	9.9		"	10.0		99.3	83-124		0.902	30	
1,2-Dichlorobenzene	9.5		"	10.0		95.2	79-123		5.02	30	
1,2-Dichloroethane	10		"	10.0		105	73-132		3.37	30	
1,2-Dichloropropane	10		"	10.0		99.7	78-126		3.93	30	
1,3,5-Trimethylbenzene	9.4		"	10.0		94.3	80-131		6.56	30	
1,3-Dichlorobenzene	9.4		"	10.0		93.9	86-130		6.09	30	
1,4-Dichlorobenzene	9.4		"	10.0		93.7	85-130		4.89	30	
1,4-Dioxane	200		"	210		94.0	10-349		4.67	30	
2-Butanone	9.3		"	10.0		92.8	49-152		1.39	30	
2-Hexanone	8.5		"	10.0		84.6	51-146		0.00	30	
4-Methyl-2-pentanone	9.8		"	10.0		98.0	57-145		0.204	30	
Acetone	5.9		"	10.0		58.7	14-150		0.679	30	
Acrolein	10		"	10.0		100	10-153		0.400	30	
Acrylonitrile	11		"	10.0		114	51-150		0.176	30	
Benzene	11		"	10.0		107	85-126		6.16	30	
Bromochloromethane	11		"	10.0		106	77-128		3.23	30	
Bromodichloromethane	9.5		"	10.0		94.7	79-128		4.24	30	
Bromoform	10		"	10.0		100	78-133		0.497	30	
Bromomethane	6.0		"	10.0		59.8	43-168		1.66	30	
Carbon disulfide	11		"	10.0		112	68-146		8.69	30	
Carbon tetrachloride	10		"	10.0		104	77-141		7.22	30	
Chlorobenzene	10		"	10.0		103	88-120		4.48	30	
Chloroethane	9.9		"	10.0		98.9	65-136		8.05	30	
Chloroform	10		"	10.0		104	82-128		5.51	30	
Chloromethane	9.2		"	10.0		91.7	43-155		7.05	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		5.82	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		94.7	80-131		4.14	30	
Cyclohexane	10		"	10.0		103	63-149		7.30	30	
Dibromochloromethane	9.8		"	10.0		97.9	80-130		1.02	30	
Dibromomethane	9.7		"	10.0		96.8	72-134		2.15	30	
Dichlorodifluoromethane	11		"	10.0		110	44-144		8.76	30	
Ethyl Benzene	9.7		"	10.0		97.1	80-131		5.70	30	
Hexachlorobutadiene	9.6		"	10.0		96.5	67-146		8.44	30	
Isopropylbenzene	9.6		"	10.0		96.4	76-140		7.30	30	
Methyl acetate	9.6		"	10.0		96.3	51-139		0.621	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		2.06	30	
Methylcyclohexane	9.4		"	10.0		93.5	72-143		7.32	30	
Methylene chloride	11		"	10.0		108	55-137		1.20	30	
n-Butylbenzene	8.3		"	10.0		82.7	79-132		7.67	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20475 - EPA 5030B											
LCS Dup (BK20475-BSD1) LCS Dup								Prepared & Analyzed: 11/08/2022			
n-Propylbenzene	9.6		ug/L	10.0		95.5	78-133		7.17	30	
o-Xylene	9.8		"	10.0		97.6	78-130		5.58	30	
p- & m- Xylenes	19		"	20.0		97.2	77-133		6.13	30	
p-Isopropyltoluene	9.5		"	10.0		94.8	81-136		8.29	30	
sec-Butylbenzene	9.7		"	10.0		97.3	79-137		7.04	30	
Styrene	9.9		"	10.0		98.8	67-132		4.45	30	
tert-Butyl alcohol (TBA)	56		"	50.0		111	25-162		1.23	30	
tert-Butylbenzene	9.6		"	10.0		96.5	77-138		7.29	30	
Tetrachloroethylene	6.2		"	10.0		61.8	82-131	Low Bias	7.93	30	
Toluene	9.7		"	10.0		96.7	80-127		5.82	30	
trans-1,2-Dichloroethylene	10		"	10.0		105	80-132		7.09	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		94.3	78-131		2.93	30	
trans-1,4-dichloro-2-butene	9.1		"	10.0		91.1	63-141		5.76	30	
Trichloroethylene	9.4		"	10.0		94.1	82-128		6.38	30	
Trichlorofluoromethane	9.8		"	10.0		98.4	67-139		8.56	30	
Vinyl Chloride	11		"	10.0		107	58-145		8.09	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.52*		*"*	*10.0*		*95.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*79-122*				
Batch BK20539 - EPA 5030B											
Blank (BK20539-BLK1) Blank								Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Blank (BK20539-BLK1) Blank									Prepared & Analyzed: 11/09/2022		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	1.2	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS (BK20539-BS1) LCS							Prepared & Analyzed: 11/09/2022				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	11		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		97.7	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	11		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	9.6		"	10.0		96.5	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		94.9	77-128				
1,2,4-Trichlorobenzene	9.6		"	10.0		95.8	65-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		95.9	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		96.6	45-147				
1,2-Dibromoethane	9.9		"	10.0		98.9	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		95.0	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		94.9	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		95.9	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		94.4	85-130				
1,4-Dioxane	190		"	210		89.2	10-349				
2-Butanone	9.3		"	10.0		92.8	49-152				
2-Hexanone	8.4		"	10.0		84.1	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.7	57-145				
Acetone	5.8		"	10.0		58.5	14-150				
Acrolein	10		"	10.0		102	10-153				
Acrylonitrile	11		"	10.0		115	51-150				
Benzene	11		"	10.0		110	85-126				
Bromochloromethane	11		"	10.0		109	77-128				
Bromodichloromethane	9.8		"	10.0		97.7	79-128				
Bromoform	10		"	10.0		102	78-133				
Bromomethane	5.7		"	10.0		56.9	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	11		"	10.0		106	77-141				
Chlorobenzene	10		"	10.0		105	88-120				
Chloroethane	10		"	10.0		103	65-136				
Chloroform	11		"	10.0		108	82-128				
Chloromethane	9.0		"	10.0		90.1	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		98.4	80-131				
Cyclohexane	10		"	10.0		102	63-149				
Dibromochloromethane	9.9		"	10.0		98.7	80-130				
Dibromomethane	9.8		"	10.0		98.2	72-134				
Dichlorodifluoromethane	10		"	10.0		101	44-144				
Ethyl Benzene	10		"	10.0		99.8	80-131				
Hexachlorobutadiene	9.7		"	10.0		97.0	67-146				
Isopropylbenzene	9.7		"	10.0		97.4	76-140				
Methyl acetate	10		"	10.0		99.8	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	9.2		"	10.0		92.0	72-143				
Methylene chloride	14		"	10.0		143	55-137	High Bias			
n-Butylbenzene	8.1		"	10.0		81.1	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS (BK20539-BS1) LCS								Prepared & Analyzed: 11/09/2022			
n-Propylbenzene	9.6		ug/L	10.0		96.4	78-133				
o-Xylene	10		"	10.0		100	78-130				
p- & m- Xylenes	20		"	20.0		100	77-133				
p-Isopropyltoluene	9.4		"	10.0		94.4	81-136				
sec-Butylbenzene	9.6		"	10.0		95.7	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162				
tert-Butylbenzene	9.6		"	10.0		95.9	77-138				
Tetrachloroethylene	6.4		"	10.0		63.8	82-131	Low Bias			
Toluene	10		"	10.0		99.5	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		96.8	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		91.9	63-141				
Trichloroethylene	9.7		"	10.0		97.2	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		105	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*79-122*				
LCS Dup (BK20539-BSD1) LCS Dup								Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.7	82-126		3.05	30	
1,1,1-Trichloroethane	10		"	10.0		102	78-136		5.07	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		0.497	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165		5.32	30	
1,1,2-Trichloroethane	9.6		"	10.0		95.6	82-123		2.17	30	
1,1-Dichloroethane	10		"	10.0		102	82-129		2.81	30	
1,1-Dichloroethylene	10		"	10.0		103	68-138		5.01	30	
1,2,3-Trichlorobenzene	9.3		"	10.0		93.2	40-130		3.48	30	
1,2,3-Trichloropropane	9.4		"	10.0		94.0	77-128		0.953	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		93.9	65-137		2.00	30	
1,2,4-Trimethylbenzene	9.4		"	10.0		93.5	82-132		2.53	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147		0.415	30	
1,2-Dibromoethane	9.8		"	10.0		98.0	83-124		0.914	30	
1,2-Dichlorobenzene	9.4		"	10.0		93.8	79-123		1.27	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		1.60	30	
1,2-Dichloropropane	9.8		"	10.0		98.5	78-126		3.00	30	
1,3,5-Trimethylbenzene	9.1		"	10.0		91.3	80-131		3.87	30	
1,3-Dichlorobenzene	9.2		"	10.0		92.4	86-130		3.72	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.7	85-130		2.90	30	
1,4-Dioxane	190		"	210		90.8	10-349		1.76	30	
2-Butanone	9.1		"	10.0		91.2	49-152		1.74	30	
2-Hexanone	8.3		"	10.0		82.8	51-146		1.56	30	
4-Methyl-2-pentanone	9.7		"	10.0		97.4	57-145		0.308	30	
Acetone	5.8		"	10.0		57.7	14-150		1.38	30	
Acrolein	10		"	10.0		102	10-153		0.784	30	
Acrylonitrile	11		"	10.0		114	51-150		0.700	30	
Benzene	11		"	10.0		106	85-126		3.41	30	
Bromochloromethane	11		"	10.0		107	77-128		1.48	30	
Bromodichloromethane	9.4		"	10.0		93.9	79-128		3.97	30	
Bromoform	10		"	10.0		101	78-133		0.296	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS Dup (BK20539-BSD1) LCS Dup								Prepared & Analyzed: 11/09/2022			
Bromomethane	5.9		ug/L	10.0		59.1	43-168		3.79	30	
Carbon disulfide	11		"	10.0		111	68-146		5.09	30	
Carbon tetrachloride	10		"	10.0		101	77-141		4.84	30	
Chlorobenzene	10		"	10.0		101	88-120		3.69	30	
Chloroethane	9.8		"	10.0		97.9	65-136		4.69	30	
Chloroform	10		"	10.0		105	82-128		3.10	30	
Chloromethane	8.6		"	10.0		85.8	43-155		4.89	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		4.23	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		95.8	80-131		2.68	30	
Cyclohexane	9.7		"	10.0		97.1	63-149		5.02	30	
Dibromochloromethane	9.7		"	10.0		96.6	80-130		2.15	30	
Dibromomethane	9.5		"	10.0		95.4	72-134		2.89	30	
Dichlorodifluoromethane	9.5		"	10.0		94.8	44-144		6.13	30	
Ethyl Benzene	9.5		"	10.0		95.2	80-131		4.72	30	
Hexachlorobutadiene	9.1		"	10.0		91.2	67-146		6.16	30	
Isopropylbenzene	9.3		"	10.0		93.4	76-140		4.19	30	
Methyl acetate	9.9		"	10.0		98.6	51-139		1.21	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		0.188	30	
Methylcyclohexane	8.7		"	10.0		86.6	72-143		6.05	30	
Methylene chloride	15		"	10.0		150	55-137	High Bias	5.25	30	
n-Butylbenzene	7.5		"	10.0		75.4	79-132	Low Bias	7.28	30	
n-Propylbenzene	9.3		"	10.0		92.6	78-133		4.02	30	
o-Xylene	9.7		"	10.0		97.2	78-130		3.24	30	
p- & m- Xylenes	19		"	20.0		96.2	77-133		4.18	30	
p-Isopropyltoluene	9.1		"	10.0		91.0	81-136		3.67	30	
sec-Butylbenzene	9.2		"	10.0		91.9	79-137		4.05	30	
Styrene	9.8		"	10.0		98.1	67-132		3.70	30	
tert-Butyl alcohol (TBA)	55		"	50.0		110	25-162		1.25	30	
tert-Butylbenzene	9.2		"	10.0		92.3	77-138		3.83	30	
Tetrachloroethylene	6.1		"	10.0		60.7	82-131	Low Bias	4.98	30	
Toluene	9.5		"	10.0		95.1	80-127		4.52	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		4.58	30	
trans-1,3-Dichloropropylene	9.5		"	10.0		95.0	78-131		1.88	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.5	63-141		2.65	30	
Trichloroethylene	9.3		"	10.0		93.1	82-128		4.31	30	
Trichlorofluoromethane	9.4		"	10.0		93.6	67-139		6.61	30	
Vinyl Chloride	10		"	10.0		100	58-145		4.76	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.88*		*"*	*10.0*		*98.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		*"*	*10.0*		*97.2*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike (BK20539-MS2) Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)							Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	132	45-161				
1,1,1-Trichloroethane	15		"	10.0	0.0	151	70-146	High Bias			
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	132	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	137	21-217				
1,1,2-Trichloroethane	13		"	10.0	0.0	128	59-146				
1,1-Dichloroethane	14		"	10.0	0.0	143	54-146				
1,1-Dichloroethylene	15		"	10.0	0.0	154	44-165				
1,2,3-Trichlorobenzene	12		"	10.0	0.0	116	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	124	74-127				
1,2,4-Trichlorobenzene	11		"	10.0	0.0	108	41-161				
1,2,4-Trimethylbenzene	12		"	10.0	0.0	116	72-129				
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	126	31-151				
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias			
1,2-Dichlorobenzene	12		"	10.0	0.0	119	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	140	68-131	High Bias			
1,2-Dichloropropane	14		"	10.0	0.0	136	77-121	High Bias			
1,3,5-Trimethylbenzene	11		"	10.0	0.0	114	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119				
1,4-Dichlorobenzene	11		"	10.0	0.0	112	70-124				
1,4-Dioxane	250		"	210	0.0	119	10-310				
2-Butanone	12		"	10.0	0.0	119	10-193				
2-Hexanone	11		"	10.0	0.0	113	53-133				
4-Methyl-2-pentanone	13		"	10.0	0.0	130	38-150				
Acetone	8.3		"	10.0	2.2	60.2	13-149				
Acrolein	14		"	10.0	0.0	139	10-195				
Acrylonitrile	14		"	10.0	0.0	144	37-165				
Benzene	24		"	10.0	46	NR	38-155	Low Bias			
Bromochloromethane	14		"	10.0	0.0	143	75-121	High Bias			
Bromodichloromethane	13		"	10.0	0.0	129	70-129				
Bromoform	13		"	10.0	0.0	134	66-136				
Bromomethane	7.1		"	10.0	0.0	71.0	30-158				
Carbon disulfide	16		"	10.0	0.0	164	10-138	High Bias			
Carbon tetrachloride	15		"	10.0	0.0	149	71-146	High Bias			
Chlorobenzene	13		"	10.0	0.0	134	81-117	High Bias			
Chloroethane	14		"	10.0	0.0	144	51-145				
Chloroform	14		"	10.0	0.0	144	80-124	High Bias			
Chloromethane	13		"	10.0	0.0	135	16-163				
cis-1,2-Dichloroethylene	14		"	10.0	0.0	141	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	124	58-131				
Cyclohexane	15		"	10.0	4.8	104	70-130				
Dibromochloromethane	13		"	10.0	0.0	129	71-129				
Dibromomethane	13		"	10.0	0.0	129	76-120	High Bias			
Dichlorodifluoromethane	14		"	10.0	0.0	141	30-147				
Ethyl Benzene	13		"	10.0	0.0	129	72-128	High Bias			
Hexachlorobutadiene	11		"	10.0	0.0	107	34-166				
Isopropylbenzene	14		"	10.0	4.9	86.1	66-139				
Methyl acetate	15		"	10.0	0.0	153	10-200				
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	140	75-128	High Bias			
Methylcyclohexane	12		"	10.0	1.7	101	70-130				
Methylene chloride	16		"	10.0	19	NR	57-128	Low Bias			
n-Butylbenzene	9.4		"	10.0	0.0	94.0	61-138				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike (BK20539-MS2) Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/09/2022		
n-Propylbenzene	12		ug/L	10.0	1.0	108	66-134				
o-Xylene	13		"	10.0	0.0	130	69-126	High Bias			
p- & m- Xylenes	25		"	20.0	0.0	126	67-130				
p-Isopropyltoluene	11		"	10.0	0.0	111	64-137				
sec-Butylbenzene	12		"	10.0	0.0	119	53-155				
Styrene	13		"	10.0	0.0	130	69-125	High Bias			
tert-Butyl alcohol (TBA)	72		"	50.0	0.0	144	10-130	High Bias			
tert-Butylbenzene	12		"	10.0	0.0	124	65-139				
Tetrachloroethylene	7.7		"	10.0	0.0	77.2	64-139				
Toluene	13		"	10.0	0.0	131	76-123	High Bias			
trans-1,2-Dichloroethylene	15		"	10.0	0.0	148	79-131	High Bias			
trans-1,3-Dichloropropylene	12		"	10.0	0.0	122	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	110	25-155				
Trichloroethylene	13		"	10.0	0.0	127	53-145				
Trichlorofluoromethane	14		"	10.0	0.0	141	61-142				
Vinyl Chloride	16		"	10.0	0.0	164	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.46*		*"*	*10.0*		*94.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*79-122*				
Matrix Spike Dup (BK20539-! Matrix Spike Dup	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/09/2022		
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	130	45-161		1.22	30	
1,1,1-Trichloroethane	15		"	10.0	0.0	149	70-146	High Bias	1.67	30	
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	130	74-121	High Bias	1.60	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	137	21-217		0.365	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	125	59-146		1.74	30	
1,1-Dichloroethane	14		"	10.0	0.0	140	54-146		1.48	30	
1,1-Dichloroethylene	15		"	10.0	0.0	152	44-165		0.981	30	
1,2,3-Trichlorobenzene	12		"	10.0	0.0	115	40-161		0.432	30	
1,2,3-Trichloropropane	12		"	10.0	0.0	125	74-127		0.643	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	111	41-161		2.01	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	117	72-129		0.771	30	
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	126	31-151		0.794	30	
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias	0.231	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	118	63-122		0.337	30	
1,2-Dichloroethane	14		"	10.0	0.0	139	68-131	High Bias	0.644	30	
1,2-Dichloropropane	13		"	10.0	0.0	134	77-121	High Bias	1.04	30	
1,3,5-Trimethylbenzene	12		"	10.0	0.0	117	69-126		2.07	30	
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119		0.615	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	113	70-124		0.978	30	
1,4-Dioxane	240		"	210	0.0	115	10-310		3.88	30	
2-Butanone	12		"	10.0	0.0	118	10-193		0.169	30	
2-Hexanone	11		"	10.0	0.0	110	53-133		2.42	30	
4-Methyl-2-pentanone	13		"	10.0	0.0	128	38-150		1.09	30	
Acetone	8.1		"	10.0	2.2	58.3	13-149		3.21	30	
Acrolein	14		"	10.0	0.0	139	10-195		0.216	30	
Acrylonitrile	14		"	10.0	0.0	142	37-165		1.26	30	
Benzene	24		"	10.0	46	NR	38-155	Low Bias	NR	30	
Bromochloromethane	14		"	10.0	0.0	140	75-121	High Bias	1.62	30	
Bromodichloromethane	13		"	10.0	0.0	127	70-129		1.09	30	
Bromoform	13		"	10.0	0.0	133	66-136		0.674	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike Dup (BK20539-! Matrix Spike Dup	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/09/2022		
Bromomethane	8.2		ug/L	10.0	0.0	82.5	30-158		15.0	30	
Carbon disulfide	16		"	10.0	0.0	163	10-138	High Bias	0.734	30	
Carbon tetrachloride	15		"	10.0	0.0	147	71-146	High Bias	1.55	30	
Chlorobenzene	13		"	10.0	0.0	134	81-117	High Bias	0.0744	30	
Chloroethane	14		"	10.0	0.0	141	51-145		1.82	30	
Chloroform	14		"	10.0	0.0	141	80-124	High Bias	2.10	30	
Chloromethane	13		"	10.0	0.0	134	16-163		0.446	30	
cis-1,2-Dichloroethylene	14		"	10.0	0.0	138	76-125	High Bias	2.22	30	
cis-1,3-Dichloropropylene	12		"	10.0	0.0	123	58-131		1.46	30	
Cyclohexane	15		"	10.0	4.8	102	70-130		1.56	30	
Dibromochloromethane	13		"	10.0	0.0	128	71-129		0.854	30	
Dibromomethane	13		"	10.0	0.0	128	76-120	High Bias	0.779	30	
Dichlorodifluoromethane	14		"	10.0	0.0	137	30-147		3.09	30	
Ethyl Benzene	13		"	10.0	0.0	128	72-128		0.0778	30	
Hexachlorobutadiene	11		"	10.0	0.0	109	34-166		1.58	30	
Isopropylbenzene	13		"	10.0	4.9	85.2	66-139		1.05	30	
Methyl acetate	14		"	10.0	0.0	144	10-200		6.20	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	138	75-128	High Bias	1.51	30	
Methylcyclohexane	12		"	10.0	1.7	102	70-130		0.891	30	
Methylene chloride	17		"	10.0	19	NR	57-128	Low Bias	NR	30	
n-Butylbenzene	9.6		"	10.0	0.0	95.5	61-138		1.58	30	
n-Propylbenzene	12		"	10.0	1.0	110	66-134		1.47	30	
o-Xylene	13		"	10.0	0.0	129	69-126	High Bias	0.0773	30	
p- & m- Xylenes	25		"	20.0	0.0	126	67-130		0.119	30	
p-Isopropyltoluene	11		"	10.0	0.0	113	64-137		1.52	30	
sec-Butylbenzene	12		"	10.0	0.0	120	53-155		1.00	30	
Styrene	13		"	10.0	0.0	129	69-125	High Bias	0.618	30	
tert-Butyl alcohol (TBA)	70		"	50.0	0.0	141	10-130	High Bias	2.08	30	
tert-Butylbenzene	12		"	10.0	0.0	125	65-139		0.321	30	
Tetrachloroethylene	7.8		"	10.0	0.0	78.5	64-139		1.67	30	
Toluene	13		"	10.0	0.0	130	76-123	High Bias	0.459	30	
trans-1,2-Dichloroethylene	15		"	10.0	0.0	146	79-131	High Bias	1.70	30	
trans-1,3-Dichloropropylene	12		"	10.0	0.0	121	55-130		1.15	30	
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	110	25-155		0.636	30	
Trichloroethylene	13		"	10.0	0.0	127	53-145		0.237	30	
Trichlorofluoromethane	14		"	10.0	0.0	138	61-142		1.65	30	
Vinyl Chloride	16		"	10.0	0.0	160	31-165		2.41	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ21743 - Preparation for GC Analysis											
Blank (BJ21743-BLK1) Blank									Prepared & Analyzed: 10/29/2022		
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BJ21743-DUP1) Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 10/29/2022		
Methane	1000	10	ug/L		760				27.9	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20125 - EPA 3015A												
Blank (BK20125-BLK1)	Blank									Prepared: 11/02/2022 Analyzed: 11/03/2022		
Iron		ND	0.278	mg/L								
Manganese		ND	0.00556	"								
LCS (BK20125-BS1)	LCS									Prepared: 11/02/2022 Analyzed: 11/03/2022		
Iron		0.944		ug/mL	1.00		94.4	80-120				
Manganese		0.480		"	0.500		96.0	80-120				
Duplicate (BK20125-DUP1)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared: 11/02/2022 Analyzed: 11/03/2022		
Iron		0.483	0.278	mg/L		0.503				4.12	20	
Manganese		0.125	0.00556	"		0.130				4.21	20	
Matrix Spike (BK20125-MS1)	Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared: 11/02/2022 Analyzed: 11/03/2022		
Iron		2.61	0.278	mg/L	2.22	0.503	94.9	75-125				
Manganese		1.20	0.00556	"	1.11	0.130	96.3	75-125				
Post Spike (BK20125-PS1)	Post Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared: 11/02/2022 Analyzed: 11/03/2022		
Iron		1.51		ug/mL	1.00	0.453	106	75-125				
Manganese		0.662		"	0.500	0.117	109	75-125				
Batch BK20208 - EPA 3015A												
Blank (BK20208-BLK1)	Blank									Prepared & Analyzed: 11/03/2022		
Iron - Dissolved		ND	0.278	mg/L								
Manganese - Dissolved		ND	0.00556	"								
LCS (BK20208-BS1)	LCS									Prepared & Analyzed: 11/03/2022		
Iron - Dissolved		1.03		ug/mL	1.00		103	80-120				
Manganese - Dissolved		0.505		"	0.500		101	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20208 - EPA 3015A											
Duplicate (BK20208-DUP1) Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/03/2022		
Iron - Dissolved	ND	0.278	mg/L		ND					20	
Manganese - Dissolved	0.130	0.00556	"		0.126				3.68	20	
Matrix Spike (BK20208-MS1) Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/03/2022		
Iron - Dissolved	1.20	0.278	mg/L	1.11	ND	108	75-125				
Manganese - Dissolved	0.724	0.00556	"	0.556	0.126	108	75-125				
Post Spike (BK20208-PS1) Post Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/03/2022		
Iron - Dissolved	1.18		ug/mL	1.00	0.0797	110	75-125				
Manganese - Dissolved	0.680		"	0.500	0.113	113	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ21834 - EPA 300												
Blank (BJ21834-BLK1)	Blank								Prepared & Analyzed: 10/28/2022			
Nitrate as N		ND	0.0500	mg/L								
Nitrite as N		ND	0.0500	"								
Sulfate		ND	1.00	"								
LCS (BJ21834-BS1)	LCS								Prepared & Analyzed: 10/28/2022			
Nitrate as N		9.81	0.0500	mg/L	10.0		98.1	90-110				
Nitrite as N		9.84	0.0500	"	10.0		98.4	90-110				
Sulfate		9.61	1.00	"	10.0		96.1	85-115				
Duplicate (BJ21834-DUP1)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)							Prepared & Analyzed: 10/28/2022			
Nitrate as N		0.0221	0.0500	mg/L		0.0192				14.0	15	
Nitrite as N		ND	0.0500	"		ND					15	
Sulfate		43.3	1.00	"		43.1				0.543	15	
Matrix Spike (BJ21834-MS1)	Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)							Prepared & Analyzed: 10/28/2022			
Nitrate as N		8.92	0.0500	mg/L	10.0	0.0192	89.0	90-110	Low Bias			
Nitrite as N		9.69	0.0500	"	10.0	ND	96.9	90-110				
Sulfate		50.0	1.00	"	10.0	43.1	69.3	85-115	Low Bias			
Batch BJ21835 - EPA 300												
Blank (BJ21835-BLK1)	Blank								Prepared & Analyzed: 10/28/2022			
Chloride		ND	0.500	mg/L								
Sulfate		ND	1.00	"								
LCS (BJ21835-BS1)	LCS								Prepared & Analyzed: 10/28/2022			
Chloride		9.74	0.500	mg/L	10.0		97.4	90-110				
Sulfate		9.44	1.00	"	10.0		94.4	85-115				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ21835 - EPA 300												
Duplicate (BJ21835-DUP1)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 10/28/2022		
Chloride		ND	0.500	mg/L		194					15	
Sulfate		48.5	1.00	"		133				93.4	15	Non-dir.
Matrix Spike (BJ21835-MS1)	Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 10/28/2022		
Chloride		ND	0.500	mg/L	10.0	194	NR	85-115	Low Bias			
Sulfate		52.9	1.00	"	10.0	133	NR	85-115	Low Bias			
Matrix Spike (BJ21835-MS2)	Matrix Spike	*Source sample: 22J1487-02 (Matrix Spike)								Prepared & Analyzed: 10/28/2022		
Chloride		ND	0.500	mg/L	10.0	258	NR	85-115	Low Bias			
Sulfate		50.4	1.00	"	10.0		504	85-115	High Bias			
Batch BK20289 - EPA 300												
Blank (BK20289-BLK1)	Blank									Prepared & Analyzed: 11/02/2022		
Sulfate		ND	1.00	mg/L								
LCS (BK20289-BS1)	LCS									Prepared & Analyzed: 11/02/2022		
Sulfate		9.83	1.00	mg/L	10.0		98.3	85-115				
Duplicate (BK20289-DUP1)	Duplicate	*Source sample: 22K0062-02 (Duplicate)								Prepared & Analyzed: 11/02/2022		
Sulfate		34.5	1.00	mg/L		35.7				3.24	15	
Matrix Spike (BK20289-MS1)	Matrix Spike	*Source sample: 22K0062-02 (Matrix Spike)								Prepared & Analyzed: 11/02/2022		
Sulfate		38.7	1.00	mg/L	10.0	35.7	30.2	85-115	Low Bias			
Matrix Spike (BK20289-MS2)	Matrix Spike	*Source sample: 22K0062-03 (Matrix Spike)								Prepared & Analyzed: 11/02/2022		
Sulfate		40.3	1.00	mg/L	10.0	34.9	54.6	85-115	Low Bias			

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ21666 - Analysis Preparation												
Duplicate (BJ21666-DUP1)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 10/28/2022		
Alkalinity, total		430	2.0	mg/L		430				0.930	15	
Reference (BJ21666-SRM1)	Reference									Prepared & Analyzed: 10/28/2022		
Alkalinity, total		80		mg/L	80.7		99.1	90-110				
Batch BK20016 - Analysis Preparation												
Blank (BK20016-BLK1)	Blank									Prepared & Analyzed: 11/01/2022		
Sulfide		ND	1.0	mg/L								
LCS (BK20016-BS1)	LCS									Prepared & Analyzed: 11/01/2022		
Sulfide		43	1.0	mg/L	50.0		86.4	80-120				
Duplicate (BK20016-DUP1)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/01/2022		
Sulfide		2.4	1.0	mg/L		2.4				0.00	15	
Batch BK20101 - Analysis Preparation												
LCS (BK20101-BS1)	LCS									Prepared & Analyzed: 11/02/2022		
Total Organic Carbon (TOC)		79.0		mg/L	79.2		99.7	79.5-125.1				
Duplicate (BK20101-DUP1)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/02/2022		
Total Organic Carbon (TOC)		12.0	1.00	mg/L		12.4				2.71	15	
Matrix Spike (BK20101-MS1)	Matrix Spike	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 11/02/2022		
Total Organic Carbon (TOC)		33.0		mg/L	20.0	12.4	103	85-115				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ21660 - % Solids Prep												
Blank (BJ21660-BLK1)	Blank									Prepared & Analyzed: 10/27/2022		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BJ21660-DUP1)	Duplicate	*Source sample: 22J1169-04 (Duplicate)								Prepared & Analyzed: 10/27/2022		
Total Dissolved Solids		390	10.0	mg/L		392				0.512	15	
Duplicate (BJ21660-DUP2)	Duplicate	*Source sample: 22J1446-01 (LMW-35_20221027)								Prepared & Analyzed: 10/27/2022		
Total Dissolved Solids		1160	10.0	mg/L		1240				7.10	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22J1446-01	LMW-35_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-02	LMW-37_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-03	LMW-36_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-04	LMW-38_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-05	LMW-39_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-06	FB_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-07	DUP_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22J1446-08	TB_20221027	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YORK Project No.: 22J1446

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Company:	Company:
Address: 300 KIMBALL DR PARSIPPANY NJ 07054	Address: SAME	Address: SAME
Phone: 973-560-4900	Phone:	Phone:
Contact: ARDONA BOODRAM	Contact:	Contact:
E-mail: aboodram@langan.com	E-mail:	E-mail:

YOUR Project Number: 100766601

YOUR Project Name: 23-30 BORDEN AVE

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) (7-10 for PFAS): X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; CT RCP; EQuIS (Standard); QA Report; CT RCP DQA/DUE; NYSDEC EQuIS; Standard Excel EDD; NJDEP Reduced; NJDKQP; NY ASP B Package; Deliverables; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
*LMW-35_20221027	GW	10/27/2022 0945	VOCs, Total & Dissolved Iron, Total & Dissolved Manganese, Methane, Nitrate, Sulphate, Sulphide, Chloride, Methane, Ethane, Ethene, TOC, TDS & alkalinity	9 vials, 4 plastic	
LMW-37_20221027	GW	0945		40 mL 250 mL	
LMW-36_20221027	GW	1130			
LMW-38_20221027	GW	1320			
LMW-39_20221027	GW	1440			
FB_20221027	AQ	1420			
DUP_20221027	GW	0955			
TB_20221027	AQ	-	VOCs	2 vials	

Comments: * LMW-35_20221027 extra volume collected for MS/MSD. Firm 5-day TAT. All samples may contain EVO+ZVI

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply): HCl X; MeOH; HNO3; H2SO4; NaOH X; ZnAc; Ascorbic Acid; Other:

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Andres Valenzuela LANGAN	10/27/22 1508	Andrew S. York	10/27/22 1508	Andrew S. York	10/27/22 1700
Samples Received by / Company	**Date/Time**	**3. Samples Relinquished by / Company**	**Date/Time**	**3. Samples Received by / Company**	**Date/Time**
Mark N York Fedex	10/27/22 1700	Mark N York Fedex	10/27/22 2110		
Samples Relinquished by / Company	**Date/Time**	**4. Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time** / **Temperature**
				KBlue	10/27/22 2110 / 3.1 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 11/14/2022
Client Project ID: 100766601
York Project (SDG) No.: 22K0306

Report Date: 11/14/2022
Client Project ID: 100766601
York Project (SDG) No.: 22K0306

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 04, 2022 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

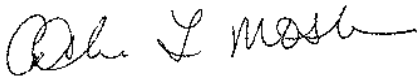
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22K0306-01	LMW-48_20221104	Water	11/04/2022	11/04/2022
22K0306-02	LMW-49_20221104	Water	11/04/2022	11/04/2022
22K0306-03	LMW-50_20221104	Water	11/04/2022	11/04/2022
22K0306-04	TB_20221104	Water	11/03/2022	11/04/2022

General Notes for York Project (SDG) No.: 22K0306

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 11/14/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: LMW-48_20221104 **York Sample ID:** 22K0306-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 9:00 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	**1,1,1-Trichloroethane**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-00-5	**1,1,2-Trichloroethane**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
75-34-3	**1,1-Dichloroethane**	**21**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
75-35-4	**1,1-Dichloroethylene**	**0.68**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	**1,2-Dichloroethane**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: LMW-48_20221104 **York Sample ID:** 22K0306-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 9:00 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**1.0**	ICVE, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	**Benzene**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	**Chloroethane**	**0.99**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	**cis-1,2-Dichloroethylene**	**6.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: LMW-48_20221104 **York Sample ID:** 22K0306-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 9:00 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	**Trichloroethylene**	**0.43**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-01-4	**Vinyl Chloride**	**15**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:03	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: LMW-48_20221104 **York Sample ID:** 22K0306-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 9:00 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.9 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.3 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*			*79-122*						

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**720**		ug/L	10	1	GC/Headspace Certifications:	11/12/2022 11:13	11/12/2022 11:49	sk
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	11/12/2022 11:13	11/12/2022 11:49	sk
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	11/12/2022 11:13	11/12/2022 11:49	sk

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**10.3**		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	11/09/2022 10:36	11/09/2022 16:48	AJL

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**10.2**		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	11/09/2022 10:48	11/09/2022 17:13	AJL

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.596**		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	11/09/2022 10:36	11/09/2022 16:48	AJL

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.616**		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	11/09/2022 10:48	11/09/2022 17:13	AJL

Sample Information

Client Sample ID: LMW-48_20221104 **York Sample ID:** 22K0306-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 9:00 am	11/04/2022

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**425**		mg/L	250	500	EPA 300.0	11/09/2022 17:04	11/11/2022 15:11	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01	mg/L	25.0	500	EPA 300.0	11/10/2022 05:29	11/11/2022 15:11	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01	mg/L	25.0	500	EPA 300.0	11/10/2022 05:29	11/11/2022 15:11	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**153**		mg/L	10.0	10	EPA 300.0	11/09/2022 17:04	11/11/2022 15:11	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**350**		mg/L	2.0	1	SM 2320B	11/07/2022 10:42	11/07/2022 13:34	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.4**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**14.7**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-48_20221104 **York Sample ID:** 22K0306-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 9:00 am	11/04/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1300**		mg/L	10.0	1	SM 2540C-2015	11/08/2022 18:25	11/08/2022 18:25	AA
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

Sample Information

Client Sample ID: LMW-49_20221104 **York Sample ID:** 22K0306-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 11:50 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-55-6	**1,1,1-Trichloroethane**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
75-34-3	**1,1-Dichloroethane**	**6.1**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
75-35-4	**1,1-Dichloroethylene**	**0.70**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			

Sample Information

Client Sample ID: LMW-49_20221104 **York Sample ID:** 22K0306-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 11:50 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**1.8**	ICVE, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 15:48	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: LMW-49_20221104 **York Sample ID:** 22K0306-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 11:50 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	**cis-1,2-Dichloroethylene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	**tert-Butyl alcohol (TBA)**	**2.1**		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	**Tetrachloroethylene**	**0.57**	CCVE, ICVE	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		

Sample Information

Client Sample ID: **LMW-49_20221104** **York Sample ID:** **22K0306-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 11:50 am	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 08:00	11/09/2022 15:48	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* **Methane**	**6400**		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 11:58	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 11:58	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 11:58	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**42.3**		mg/L	0.278	1	EPA 6010D	11/09/2022 10:36	11/09/2022 16:51	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: LMW-49_20221104 **York Sample ID:** 22K0306-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 11:50 am	11/04/2022

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**5.32**		mg/L	0.278	1	EPA 6010D	11/09/2022 10:48	11/09/2022 17:15	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.03**		mg/L	0.00556	1	EPA 6010D	11/09/2022 10:36	11/09/2022 16:51	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.01**		mg/L	0.00556	1	EPA 6010D	11/09/2022 10:48	11/09/2022 17:15	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**291**		mg/L	250	500	EPA 300.0	11/09/2022 17:04	11/11/2022 15:20	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0605**	HT-01	mg/L	0.0500	1	EPA 300.0	11/10/2022 06:46	11/10/2022 06:46	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01	mg/L	0.0500	1	EPA 300.0	11/10/2022 06:46	11/10/2022 06:46	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**302**		mg/L	10.0	10	EPA 300.0	11/09/2022 17:04	11/11/2022 15:20	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LMW-49_20221104 **York Sample ID:** 22K0306-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 11:50 am	11/04/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**340**		mg/L	2.0	1	SM 2320B	11/07/2022 10:42	11/07/2022 13:34	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**23.5**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1230**		mg/L	10.0	1	SM 2540C-2015	11/08/2022 18:25	11/08/2022 18:25	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-50_20221104 **York Sample ID:** 22K0306-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 1:50 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/11/2022 14:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/11/2022 14:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/11/2022 14:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/11/2022 14:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-50_20221104 **York Sample ID:** 22K0306-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 1:50 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	**1,1-Dichloroethane**	**0.77**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	**2-Butanone**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	**4-Methyl-2-pentanone**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: LMW-50_20221104 **York Sample ID:** 22K0306-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 1:50 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
75-15-0	**Carbon disulfide**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	11/11/2022 14:32	SA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
110-82-7	**Cyclohexane**	**0.67**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2022 14:32	SA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/11/2022 14:32	SA

Sample Information

Client Sample ID: LMW-50_20221104 **York Sample ID:** 22K0306-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 1:50 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	**Tetrachloroethylene**	**0.21**	CCVE, ICVE, J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	**Trichloroethylene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/09/2022 08:00	11/11/2022 14:32	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: LMW-50_20221104 **York Sample ID:** 22K0306-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 1:50 pm	11/04/2022

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* **Methane**	**650**		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:07	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:07	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:07	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**5.29**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 16:46	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.329**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:09	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.154**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 16:46	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0773**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:09	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**259**		mg/L	250	500	EPA 300.0	11/09/2022 17:04	11/11/2022 15:30	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LMW-50_20221104 **York Sample ID:** 22K0306-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 4, 2022 1:50 pm	11/04/2022

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01	mg/L	25.0	500	EPA 300.0	11/10/2022 05:29	11/11/2022 15:30	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01	mg/L	25.0	500	EPA 300.0	11/10/2022 05:29	11/11/2022 15:30	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**117**		mg/L	10.0	10	EPA 300.0	11/09/2022 17:04	11/11/2022 15:30	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**230**		mg/L	2.0	1	SM 2320B	11/07/2022 10:42	11/07/2022 13:34	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.2**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**27.6**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**779**		mg/L	10.0	1	SM 2540C-2015	11/08/2022 18:25	11/08/2022 18:25	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20221104 **York Sample ID:** 22K0306-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 3, 2022 3:00 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: TB_20221104 **York Sample ID:** 22K0306-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 3, 2022 3:00 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00	11/09/2022 12:29	SA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: TB_20221104 **York Sample ID:** 22K0306-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 3, 2022 3:00 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2022 12:29	SA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2022 12:29	SA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	11/09/2022 12:29	SA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	11/09/2022 12:29	SA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/09/2022 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/09/2022 12:29	SA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	11/09/2022 12:29	SA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	11/09/2022 12:29	SA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/09/2022 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	11/09/2022 12:29	SA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*

Sample Information

Client Sample ID: TB_20221104 **York Sample ID:** 22K0306-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0306	100766601	Water	November 3, 2022 3:00 pm	11/04/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.5 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*			*79-122*						

Analytical Batch Summary

Batch ID: BK20373 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/07/22
22K0306-02	LMW-49_20221104	11/07/22
22K0306-03	LMW-50_20221104	11/07/22
BK20373-DUP1	Duplicate	11/07/22
BK20373-SRM1	Reference	11/07/22

Batch ID: BK20507 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/08/22
22K0306-02	LMW-49_20221104	11/08/22
22K0306-03	LMW-50_20221104	11/08/22
BK20507-BLK1	Blank	11/08/22
BK20507-DUP1	Duplicate	11/08/22
BK20507-DUP2	Duplicate	11/08/22

Batch ID: BK20539 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-02	LMW-49_20221104	11/09/22
22K0306-04	TB_20221104	11/09/22
BK20539-BLK1	Blank	11/09/22
BK20539-BS1	LCS	11/09/22
BK20539-BSD1	LCS Dup	11/09/22
BK20539-MS2	Matrix Spike	11/09/22
BK20539-MSD2	Matrix Spike Dup	11/09/22

Batch ID: BK20549 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/09/22
22K0306-02	LMW-49_20221104	11/09/22
22K0306-03	LMW-50_20221104	11/09/22
BK20549-BLK1	Blank	11/09/22
BK20549-DUP1	Duplicate	11/09/22
BK20549-MS1	Matrix Spike	11/09/22
BK20549-SRM1	Reference	11/09/22

Batch ID: BK20551 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/09/22
22K0306-02	LMW-49_20221104	11/09/22

BK20551-BLK1	Blank	11/09/22
BK20551-BS1	LCS	11/09/22
BK20551-DUP1	Duplicate	11/09/22
BK20551-MS1	Matrix Spike	11/09/22
BK20551-PS1	Post Spike	11/09/22

Batch ID: BK20552 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/09/22
22K0306-02	LMW-49_20221104	11/09/22
22K0306-03	LMW-50_20221104	11/09/22
BK20552-BLK1	Blank	11/09/22
BK20552-BS1	LCS	11/09/22
BK20552-DUP1	Duplicate	11/09/22

Batch ID: BK20553 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/09/22
22K0306-02	LMW-49_20221104	11/09/22
BK20553-BLK1	Blank	11/09/22
BK20553-BS1	LCS	11/09/22
BK20553-DUP1	Duplicate	11/09/22
BK20553-MS1	Matrix Spike	11/09/22
BK20553-PS1	Post Spike	11/09/22

Batch ID: BK20594 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/09/22
22K0306-02	LMW-49_20221104	11/09/22
22K0306-03	LMW-50_20221104	11/09/22
BK20594-BLK1	Blank	11/09/22
BK20594-BS1	LCS	11/09/22
BK20594-DUP1	Duplicate	11/09/22
BK20594-DUP2	Duplicate	11/09/22
BK20594-MS1	Matrix Spike	11/09/22
BK20594-MS2	Matrix Spike	11/09/22

Batch ID: BK20637 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-03	LMW-50_20221104	11/10/22
BK20637-BLK1	Blank	11/10/22
BK20637-BS1	LCS	11/10/22
BK20637-DUP1	Duplicate	11/10/22
BK20637-MS1	Matrix Spike	11/10/22
BK20637-PS1	Post Spike	11/10/22

Batch ID: BK20638 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-03	LMW-50_20221104	11/10/22
BK20638-BLK1	Blank	11/10/22
BK20638-BS1	LCS	11/10/22
BK20638-DUP1	Duplicate	11/10/22
BK20638-MS1	Matrix Spike	11/10/22
BK20638-PS1	Post Spike	11/10/22

Batch ID: BK20726 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/09/22
22K0306-03	LMW-50_20221104	11/09/22
BK20726-BLK1	Blank	11/11/22
BK20726-BS1	LCS	11/11/22
BK20726-BSD1	LCS Dup	11/11/22
BK20726-MS1	Matrix Spike	11/11/22
BK20726-MSD1	Matrix Spike Dup	11/11/22

Batch ID: BK20758 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/10/22
22K0306-02	LMW-49_20221104	11/10/22
22K0306-03	LMW-50_20221104	11/10/22
BK20758-BLK1	Blank	11/10/22
BK20758-BS1	LCS	11/10/22
BK20758-DUP1	Duplicate	11/10/22
BK20758-MS1	Matrix Spike	11/10/22
BK20758-MS2	Matrix Spike	11/10/22

Batch ID: BK20771 **Preparation Method:** Preparation for GC Analysis **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
22K0306-01	LMW-48_20221104	11/12/22
22K0306-02	LMW-49_20221104	11/12/22
22K0306-03	LMW-50_20221104	11/12/22
BK20771-BLK1	Blank	11/12/22
BK20771-DUP1	Duplicate	11/12/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Blank (BK20539-BLK1)									Prepared & Analyzed: 11/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Blank (BK20539-BLK1)											Prepared & Analyzed: 11/09/2022
Methylene chloride	1.2	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*79-122*				
LCS (BK20539-BS1)											Prepared & Analyzed: 11/09/2022
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	11		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		97.7	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	11		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	9.6		"	10.0		96.5	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		94.9	77-128				
1,2,4-Trichlorobenzene	9.6		"	10.0		95.8	65-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		95.9	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		96.6	45-147				
1,2-Dibromoethane	9.9		"	10.0		98.9	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		95.0	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		94.9	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		95.9	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		94.4	85-130				
1,4-Dioxane	190		"	210		89.2	10-349				
2-Butanone	9.3		"	10.0		92.8	49-152				
2-Hexanone	8.4		"	10.0		84.1	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.7	57-145				
Acetone	5.8		"	10.0		58.5	14-150				
Acrolein	10		"	10.0		102	10-153				
Acrylonitrile	11		"	10.0		115	51-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS (BK20539-BS1)								Prepared & Analyzed: 11/09/2022			
Benzene	11		ug/L	10.0		110	85-126				
Bromochloromethane	11		"	10.0		109	77-128				
Bromodichloromethane	9.8		"	10.0		97.7	79-128				
Bromoform	10		"	10.0		102	78-133				
Bromomethane	5.7		"	10.0		56.9	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	11		"	10.0		106	77-141				
Chlorobenzene	10		"	10.0		105	88-120				
Chloroethane	10		"	10.0		103	65-136				
Chloroform	11		"	10.0		108	82-128				
Chloromethane	9.0		"	10.0		90.1	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		98.4	80-131				
Cyclohexane	10		"	10.0		102	63-149				
Dibromochloromethane	9.9		"	10.0		98.7	80-130				
Dibromomethane	9.8		"	10.0		98.2	72-134				
Dichlorodifluoromethane	10		"	10.0		101	44-144				
Ethyl Benzene	10		"	10.0		99.8	80-131				
Hexachlorobutadiene	9.7		"	10.0		97.0	67-146				
Isopropylbenzene	9.7		"	10.0		97.4	76-140				
Methyl acetate	10		"	10.0		99.8	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	9.2		"	10.0		92.0	72-143				
Methylene chloride	14		"	10.0		143	55-137	High Bias			
n-Butylbenzene	8.1		"	10.0		81.1	79-132				
n-Propylbenzene	9.6		"	10.0		96.4	78-133				
o-Xylene	10		"	10.0		100	78-130				
p- & m- Xylenes	20		"	20.0		100	77-133				
p-Isopropyltoluene	9.4		"	10.0		94.4	81-136				
sec-Butylbenzene	9.6		"	10.0		95.7	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162				
tert-Butylbenzene	9.6		"	10.0		95.9	77-138				
Tetrachloroethylene	6.4		"	10.0		63.8	82-131	Low Bias			
Toluene	10		"	10.0		99.5	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		96.8	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		91.9	63-141				
Trichloroethylene	9.7		"	10.0		97.2	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		105	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS Dup (BK20539-BSD1)								Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.7	82-126		3.05	30	
1,1,1-Trichloroethane	10		"	10.0		102	78-136		5.07	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		0.497	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165		5.32	30	
1,1,2-Trichloroethane	9.6		"	10.0		95.6	82-123		2.17	30	
1,1-Dichloroethane	10		"	10.0		102	82-129		2.81	30	
1,1-Dichloroethylene	10		"	10.0		103	68-138		5.01	30	
1,2,3-Trichlorobenzene	9.3		"	10.0		93.2	40-130		3.48	30	
1,2,3-Trichloropropane	9.4		"	10.0		94.0	77-128		0.953	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		93.9	65-137		2.00	30	
1,2,4-Trimethylbenzene	9.4		"	10.0		93.5	82-132		2.53	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147		0.415	30	
1,2-Dibromoethane	9.8		"	10.0		98.0	83-124		0.914	30	
1,2-Dichlorobenzene	9.4		"	10.0		93.8	79-123		1.27	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		1.60	30	
1,2-Dichloropropane	9.8		"	10.0		98.5	78-126		3.00	30	
1,3,5-Trimethylbenzene	9.1		"	10.0		91.3	80-131		3.87	30	
1,3-Dichlorobenzene	9.2		"	10.0		92.4	86-130		3.72	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.7	85-130		2.90	30	
1,4-Dioxane	190		"	210		90.8	10-349		1.76	30	
2-Butanone	9.1		"	10.0		91.2	49-152		1.74	30	
2-Hexanone	8.3		"	10.0		82.8	51-146		1.56	30	
4-Methyl-2-pentanone	9.7		"	10.0		97.4	57-145		0.308	30	
Acetone	5.8		"	10.0		57.7	14-150		1.38	30	
Acrolein	10		"	10.0		102	10-153		0.784	30	
Acrylonitrile	11		"	10.0		114	51-150		0.700	30	
Benzene	11		"	10.0		106	85-126		3.41	30	
Bromochloromethane	11		"	10.0		107	77-128		1.48	30	
Bromodichloromethane	9.4		"	10.0		93.9	79-128		3.97	30	
Bromoform	10		"	10.0		101	78-133		0.296	30	
Bromomethane	5.9		"	10.0		59.1	43-168		3.79	30	
Carbon disulfide	11		"	10.0		111	68-146		5.09	30	
Carbon tetrachloride	10		"	10.0		101	77-141		4.84	30	
Chlorobenzene	10		"	10.0		101	88-120		3.69	30	
Chloroethane	9.8		"	10.0		97.9	65-136		4.69	30	
Chloroform	10		"	10.0		105	82-128		3.10	30	
Chloromethane	8.6		"	10.0		85.8	43-155		4.89	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		4.23	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		95.8	80-131		2.68	30	
Cyclohexane	9.7		"	10.0		97.1	63-149		5.02	30	
Dibromochloromethane	9.7		"	10.0		96.6	80-130		2.15	30	
Dibromomethane	9.5		"	10.0		95.4	72-134		2.89	30	
Dichlorodifluoromethane	9.5		"	10.0		94.8	44-144		6.13	30	
Ethyl Benzene	9.5		"	10.0		95.2	80-131		4.72	30	
Hexachlorobutadiene	9.1		"	10.0		91.2	67-146		6.16	30	
Isopropylbenzene	9.3		"	10.0		93.4	76-140		4.19	30	
Methyl acetate	9.9		"	10.0		98.6	51-139		1.21	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		0.188	30	
Methylcyclohexane	8.7		"	10.0		86.6	72-143		6.05	30	
Methylene chloride	15		"	10.0		150	55-137	High Bias	5.25	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS Dup (BK20539-BSD1)								Prepared & Analyzed: 11/09/2022			
n-Butylbenzene	7.5		ug/L	10.0		75.4	79-132	Low Bias	7.28	30	
n-Propylbenzene	9.3		"	10.0		92.6	78-133		4.02	30	
o-Xylene	9.7		"	10.0		97.2	78-130		3.24	30	
p- & m- Xylenes	19		"	20.0		96.2	77-133		4.18	30	
p-Isopropyltoluene	9.1		"	10.0		91.0	81-136		3.67	30	
sec-Butylbenzene	9.2		"	10.0		91.9	79-137		4.05	30	
Styrene	9.8		"	10.0		98.1	67-132		3.70	30	
tert-Butyl alcohol (TBA)	55		"	50.0		110	25-162		1.25	30	
tert-Butylbenzene	9.2		"	10.0		92.3	77-138		3.83	30	
Tetrachloroethylene	6.1		"	10.0		60.7	82-131	Low Bias	4.98	30	
Toluene	9.5		"	10.0		95.1	80-127		4.52	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		4.58	30	
trans-1,3-Dichloropropylene	9.5		"	10.0		95.0	78-131		1.88	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.5	63-141		2.65	30	
Trichloroethylene	9.3		"	10.0		93.1	82-128		4.31	30	
Trichlorofluoromethane	9.4		"	10.0		93.6	67-139		6.61	30	
Vinyl Chloride	10		"	10.0		100	58-145		4.76	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.88*		*"*	*10.0*		*98.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		*"*	*10.0*		*97.2*	*79-122*				
Matrix Spike (BK20539-MS2)	*Source sample: 22J1446-01 (Matrix Spike)							Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	132	45-161				
1,1,1-Trichloroethane	15		"	10.0	0.0	151	70-146	High Bias			
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	132	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	137	21-217				
1,1,2-Trichloroethane	13		"	10.0	0.0	128	59-146				
1,1-Dichloroethane	14		"	10.0	0.0	143	54-146				
1,1-Dichloroethylene	15		"	10.0	0.0	154	44-165				
1,2,3-Trichlorobenzene	12		"	10.0	0.0	116	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	124	74-127				
1,2,4-Trichlorobenzene	11		"	10.0	0.0	108	41-161				
1,2,4-Trimethylbenzene	12		"	10.0	0.0	116	72-129				
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	126	31-151				
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias			
1,2-Dichlorobenzene	12		"	10.0	0.0	119	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	140	68-131	High Bias			
1,2-Dichloropropane	14		"	10.0	0.0	136	77-121	High Bias			
1,3,5-Trimethylbenzene	11		"	10.0	0.0	114	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119				
1,4-Dichlorobenzene	11		"	10.0	0.0	112	70-124				
1,4-Dioxane	250		"	210	0.0	119	10-310				
2-Butanone	12		"	10.0	0.0	119	10-193				
2-Hexanone	11		"	10.0	0.0	113	53-133				
4-Methyl-2-pentanone	13		"	10.0	0.0	130	38-150				
Acetone	8.3		"	10.0	2.2	60.2	13-149				
Acrolein	14		"	10.0	0.0	139	10-195				
Acrylonitrile	14		"	10.0	0.0	144	37-165				
Benzene	24		"	10.0	46	NR	38-155	Low Bias			
Bromochloromethane	14		"	10.0	0.0	143	75-121	High Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike (BK20539-MS2)	*Source sample: 22J1446-01 (Matrix Spike)							Prepared & Analyzed: 11/09/2022			
Bromodichloromethane	13		ug/L	10.0	0.0	129	70-129				
Bromoform	13		"	10.0	0.0	134	66-136				
Bromomethane	7.1		"	10.0	0.0	71.0	30-158				
Carbon disulfide	16		"	10.0	0.0	164	10-138	High Bias			
Carbon tetrachloride	15		"	10.0	0.0	149	71-146	High Bias			
Chlorobenzene	13		"	10.0	0.0	134	81-117	High Bias			
Chloroethane	14		"	10.0	0.0	144	51-145				
Chloroform	14		"	10.0	0.0	144	80-124	High Bias			
Chloromethane	13		"	10.0	0.0	135	16-163				
cis-1,2-Dichloroethylene	14		"	10.0	0.0	141	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	124	58-131				
Cyclohexane	15		"	10.0	4.8	104	70-130				
Dibromochloromethane	13		"	10.0	0.0	129	71-129				
Dibromomethane	13		"	10.0	0.0	129	76-120	High Bias			
Dichlorodifluoromethane	14		"	10.0	0.0	141	30-147				
Ethyl Benzene	13		"	10.0	0.0	129	72-128	High Bias			
Hexachlorobutadiene	11		"	10.0	0.0	107	34-166				
Isopropylbenzene	14		"	10.0	4.9	86.1	66-139				
Methyl acetate	15		"	10.0	0.0	153	10-200				
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	140	75-128	High Bias			
Methylcyclohexane	12		"	10.0	1.7	101	70-130				
Methylene chloride	16		"	10.0	19	NR	57-128	Low Bias			
n-Butylbenzene	9.4		"	10.0	0.0	94.0	61-138				
n-Propylbenzene	12		"	10.0	1.0	108	66-134				
o-Xylene	13		"	10.0	0.0	130	69-126	High Bias			
p- & m- Xylenes	25		"	20.0	0.0	126	67-130				
p-Isopropyltoluene	11		"	10.0	0.0	111	64-137				
sec-Butylbenzene	12		"	10.0	0.0	119	53-155				
Styrene	13		"	10.0	0.0	130	69-125	High Bias			
tert-Butyl alcohol (TBA)	72		"	50.0	0.0	144	10-130	High Bias			
tert-Butylbenzene	12		"	10.0	0.0	124	65-139				
Tetrachloroethylene	7.7		"	10.0	0.0	77.2	64-139				
Toluene	13		"	10.0	0.0	131	76-123	High Bias			
trans-1,2-Dichloroethylene	15		"	10.0	0.0	148	79-131	High Bias			
trans-1,3-Dichloropropylene	12		"	10.0	0.0	122	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	110	25-155				
Trichloroethylene	13		"	10.0	0.0	127	53-145				
Trichlorofluoromethane	14		"	10.0	0.0	141	61-142				
Vinyl Chloride	16		"	10.0	0.0	164	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.46*		*"*	*10.0*		*94.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike Dup (BK20539-MSD2)	*Source sample: 22J1446-01 (Matrix Spike Dup)								Prepared & Analyzed: 11/09/2022		
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	130	45-161		1.22	30	
1,1,1-Trichloroethane	15		"	10.0	0.0	149	70-146	High Bias	1.67	30	
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	130	74-121	High Bias	1.60	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	137	21-217		0.365	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	125	59-146		1.74	30	
1,1-Dichloroethane	14		"	10.0	0.0	140	54-146		1.48	30	
1,1-Dichloroethylene	15		"	10.0	0.0	152	44-165		0.981	30	
1,2,3-Trichlorobenzene	12		"	10.0	0.0	115	40-161		0.432	30	
1,2,3-Trichloropropane	12		"	10.0	0.0	125	74-127		0.643	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	111	41-161		2.01	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	117	72-129		0.771	30	
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	126	31-151		0.794	30	
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias	0.231	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	118	63-122		0.337	30	
1,2-Dichloroethane	14		"	10.0	0.0	139	68-131	High Bias	0.644	30	
1,2-Dichloropropane	13		"	10.0	0.0	134	77-121	High Bias	1.04	30	
1,3,5-Trimethylbenzene	12		"	10.0	0.0	117	69-126		2.07	30	
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119		0.615	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	113	70-124		0.978	30	
1,4-Dioxane	240		"	210	0.0	115	10-310		3.88	30	
2-Butanone	12		"	10.0	0.0	118	10-193		0.169	30	
2-Hexanone	11		"	10.0	0.0	110	53-133		2.42	30	
4-Methyl-2-pentanone	13		"	10.0	0.0	128	38-150		1.09	30	
Acetone	8.1		"	10.0	2.2	58.3	13-149		3.21	30	
Acrolein	14		"	10.0	0.0	139	10-195		0.216	30	
Acrylonitrile	14		"	10.0	0.0	142	37-165		1.26	30	
Benzene	24		"	10.0	46	NR	38-155	Low Bias	NR	30	
Bromochloromethane	14		"	10.0	0.0	140	75-121	High Bias	1.62	30	
Bromodichloromethane	13		"	10.0	0.0	127	70-129		1.09	30	
Bromoform	13		"	10.0	0.0	133	66-136		0.674	30	
Bromomethane	8.2		"	10.0	0.0	82.5	30-158		15.0	30	
Carbon disulfide	16		"	10.0	0.0	163	10-138	High Bias	0.734	30	
Carbon tetrachloride	15		"	10.0	0.0	147	71-146	High Bias	1.55	30	
Chlorobenzene	13		"	10.0	0.0	134	81-117	High Bias	0.0744	30	
Chloroethane	14		"	10.0	0.0	141	51-145		1.82	30	
Chloroform	14		"	10.0	0.0	141	80-124	High Bias	2.10	30	
Chloromethane	13		"	10.0	0.0	134	16-163		0.446	30	
cis-1,2-Dichloroethylene	14		"	10.0	0.0	138	76-125	High Bias	2.22	30	
cis-1,3-Dichloropropylene	12		"	10.0	0.0	123	58-131		1.46	30	
Cyclohexane	15		"	10.0	4.8	102	70-130		1.56	30	
Dibromochloromethane	13		"	10.0	0.0	128	71-129		0.854	30	
Dibromomethane	13		"	10.0	0.0	128	76-120	High Bias	0.779	30	
Dichlorodifluoromethane	14		"	10.0	0.0	137	30-147		3.09	30	
Ethyl Benzene	13		"	10.0	0.0	128	72-128		0.0778	30	
Hexachlorobutadiene	11		"	10.0	0.0	109	34-166		1.58	30	
Isopropylbenzene	13		"	10.0	4.9	85.2	66-139		1.05	30	
Methyl acetate	14		"	10.0	0.0	144	10-200		6.20	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	138	75-128	High Bias	1.51	30	
Methylcyclohexane	12		"	10.0	1.7	102	70-130		0.891	30	
Methylene chloride	17		"	10.0	19	NR	57-128	Low Bias	NR	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike Dup (BK20539-MSD2)	*Source sample: 22J1446-01 (Matrix Spike Dup)								Prepared & Analyzed: 11/09/2022		
n-Butylbenzene	9.6		ug/L	10.0	0.0	95.5	61-138		1.58	30	
n-Propylbenzene	12		"	10.0	1.0	110	66-134		1.47	30	
o-Xylene	13		"	10.0	0.0	129	69-126	High Bias	0.0773	30	
p- & m- Xylenes	25		"	20.0	0.0	126	67-130		0.119	30	
p-Isopropyltoluene	11		"	10.0	0.0	113	64-137		1.52	30	
sec-Butylbenzene	12		"	10.0	0.0	120	53-155		1.00	30	
Styrene	13		"	10.0	0.0	129	69-125	High Bias	0.618	30	
tert-Butyl alcohol (TBA)	70		"	50.0	0.0	141	10-130	High Bias	2.08	30	
tert-Butylbenzene	12		"	10.0	0.0	125	65-139		0.321	30	
Tetrachloroethylene	7.8		"	10.0	0.0	78.5	64-139		1.67	30	
Toluene	13		"	10.0	0.0	130	76-123	High Bias	0.459	30	
trans-1,2-Dichloroethylene	15		"	10.0	0.0	146	79-131	High Bias	1.70	30	
trans-1,3-Dichloropropylene	12		"	10.0	0.0	121	55-130		1.15	30	
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	110	25-155		0.636	30	
Trichloroethylene	13		"	10.0	0.0	127	53-145		0.237	30	
Trichlorofluoromethane	14		"	10.0	0.0	138	61-142		1.65	30	
Vinyl Chloride	16		"	10.0	0.0	160	31-165		2.41	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
Batch BK20726 - EPA 5030B											
Blank (BK20726-BLK1)									Prepared & Analyzed: 11/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Blank (BK20726-BLK1)											
Prepared & Analyzed: 11/11/2022											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.86*		*"*	*10.0*		*98.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
LCS (BK20726-BS1)								Prepared & Analyzed: 11/11/2022			
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		98.1	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		96.2	82-123				
1,1-Dichloroethane	11		"	10.0		107	82-129				
1,1-Dichloroethylene	11		"	10.0		113	68-138				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.3	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		95.2	77-128				
1,2,4-Trichlorobenzene	9.5		"	10.0		95.2	65-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		95.9	82-132				
1,2-Dibromo-3-chloropropane	9.5		"	10.0		94.9	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		94.9	79-123				
1,2-Dichloroethane	11		"	10.0		108	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		95.5	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		94.4	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		93.9	85-130				
1,4-Dioxane	190		"	210		88.3	10-349				
2-Butanone	9.2		"	10.0		92.2	49-152				
2-Hexanone	8.5		"	10.0		85.2	51-146				
4-Methyl-2-pentanone	9.7		"	10.0		97.1	57-145				
Acetone	6.1		"	10.0		61.0	14-150				
Acrolein	10		"	10.0		101	10-153				
Acrylonitrile	12		"	10.0		116	51-150				
Benzene	11		"	10.0		111	85-126				
Bromochloromethane	11		"	10.0		112	77-128				
Bromodichloromethane	9.6		"	10.0		96.4	79-128				
Bromoform	10		"	10.0		99.7	78-133				
Bromomethane	4.0		"	10.0		40.2	43-168	Low Bias			
Carbon disulfide	12		"	10.0		119	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	10		"	10.0		105	88-120				
Chloroethane	10		"	10.0		104	65-136				
Chloroform	11		"	10.0		110	82-128				
Chloromethane	9.3		"	10.0		92.7	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	9.7		"	10.0		96.8	80-131				
Cyclohexane	11		"	10.0		110	63-149				
Dibromochloromethane	9.6		"	10.0		96.4	80-130				
Dibromomethane	9.7		"	10.0		97.4	72-134				
Dichlorodifluoromethane	10		"	10.0		105	44-144				
Ethyl Benzene	10		"	10.0		100	80-131				
Hexachlorobutadiene	9.9		"	10.0		98.9	67-146				
Isopropylbenzene	9.8		"	10.0		97.6	76-140				
Methyl acetate	10		"	10.0		99.9	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135				
Methylcyclohexane	9.8		"	10.0		97.5	72-143				
Methylene chloride	13		"	10.0		129	55-137				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
LCS (BK20726-BS1)							Prepared & Analyzed: 11/11/2022				
n-Butylbenzene	8.5		ug/L	10.0		85.0	79-132				
n-Propylbenzene	9.8		"	10.0		97.7	78-133				
o-Xylene	10		"	10.0		101	78-130				
p- & m- Xylenes	20		"	20.0		101	77-133				
p-Isopropyltoluene	9.8		"	10.0		97.6	81-136				
sec-Butylbenzene	9.9		"	10.0		99.1	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162				
tert-Butylbenzene	9.8		"	10.0		98.0	77-138				
Tetrachloroethylene	6.4		"	10.0		64.5	82-131	Low Bias			
Toluene	9.9		"	10.0		99.4	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	9.6		"	10.0		96.0	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.2	63-141				
Trichloroethylene	9.7		"	10.0		96.8	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	11		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				
LCS Dup (BK20726-BSD1)							Prepared & Analyzed: 11/11/2022				
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.2	82-126		3.00	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		4.68	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		99.7	76-129		0.700	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165		5.78	30	
1,1,2-Trichloroethane	9.5		"	10.0		95.1	82-123		1.15	30	
1,1-Dichloroethane	10		"	10.0		103	82-129		3.80	30	
1,1-Dichloroethylene	11		"	10.0		108	68-138		5.08	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.6	40-130		4.46	30	
1,2,3-Trichloropropane	9.6		"	10.0		95.7	77-128		0.524	30	
1,2,4-Trichlorobenzene	9.5		"	10.0		95.3	65-137		0.105	30	
1,2,4-Trimethylbenzene	9.4		"	10.0		93.5	82-132		2.53	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147		1.36	30	
1,2-Dibromoethane	9.8		"	10.0		97.7	83-124		1.42	30	
1,2-Dichlorobenzene	9.4		"	10.0		93.6	79-123		1.38	30	
1,2-Dichloroethane	11		"	10.0		109	73-132		0.739	30	
1,2-Dichloropropane	9.9		"	10.0		99.1	78-126		3.37	30	
1,3,5-Trimethylbenzene	9.2		"	10.0		92.2	80-131		3.52	30	
1,3-Dichlorobenzene	9.2		"	10.0		91.9	86-130		2.68	30	
1,4-Dichlorobenzene	9.1		"	10.0		91.0	85-130		3.14	30	
1,4-Dioxane	190		"	210		91.2	10-349		3.18	30	
2-Butanone	9.3		"	10.0		93.1	49-152		0.971	30	
2-Hexanone	8.6		"	10.0		85.6	51-146		0.468	30	
4-Methyl-2-pentanone	9.9		"	10.0		99.1	57-145		2.04	30	
Acetone	6.1		"	10.0		61.3	14-150		0.491	30	
Acrolein	10		"	10.0		105	10-153		3.99	30	
Acrylonitrile	12		"	10.0		118	51-150		2.13	30	
Benzene	11		"	10.0		108	85-126		3.28	30	
Bromochloromethane	11		"	10.0		113	77-128		0.887	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
LCS Dup (BK20726-BSD1)								Prepared & Analyzed: 11/11/2022			
Bromodichloromethane	9.4		ug/L	10.0		93.9	79-128		2.63	30	
Bromoform	10		"	10.0		99.9	78-133		0.200	30	
Bromomethane	3.4		"	10.0		34.1	43-168	Low Bias	16.4	30	
Carbon disulfide	11		"	10.0		113	68-146		5.19	30	
Carbon tetrachloride	10		"	10.0		104	77-141		6.27	30	
Chlorobenzene	9.9		"	10.0		99.3	88-120		5.39	30	
Chloroethane	10		"	10.0		100	65-136		4.02	30	
Chloroform	11		"	10.0		106	82-128		3.53	30	
Chloromethane	8.6		"	10.0		85.6	43-155		7.96	30	
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129		4.42	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		94.6	80-131		2.30	30	
Cyclohexane	10		"	10.0		104	63-149		5.14	30	
Dibromochloromethane	9.6		"	10.0		95.6	80-130		0.833	30	
Dibromomethane	9.7		"	10.0		96.9	72-134		0.515	30	
Dichlorodifluoromethane	9.9		"	10.0		99.0	44-144		5.69	30	
Ethyl Benzene	9.5		"	10.0		95.0	80-131		5.13	30	
Hexachlorobutadiene	9.7		"	10.0		97.2	67-146		1.73	30	
Isopropylbenzene	9.4		"	10.0		93.9	76-140		3.86	30	
Methyl acetate	10		"	10.0		102	51-139		1.69	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135		0.187	30	
Methylcyclohexane	9.2		"	10.0		92.1	72-143		5.70	30	
Methylene chloride	14		"	10.0		136	55-137		5.30	30	
n-Butylbenzene	8.4		"	10.0		84.2	79-132		0.946	30	
n-Propylbenzene	9.4		"	10.0		93.7	78-133		4.18	30	
o-Xylene	9.6		"	10.0		96.5	78-130		4.46	30	
p- & m- Xylenes	19		"	20.0		96.3	77-133		4.37	30	
p-Isopropyltoluene	9.5		"	10.0		94.6	81-136		3.12	30	
sec-Butylbenzene	9.6		"	10.0		96.1	79-137		3.07	30	
Styrene	9.7		"	10.0		97.1	67-132		4.73	30	
tert-Butyl alcohol (TBA)	57		"	50.0		113	25-162		0.673	30	
tert-Butylbenzene	9.5		"	10.0		94.7	77-138		3.43	30	
Tetrachloroethylene	6.1		"	10.0		60.9	82-131	Low Bias	5.74	30	
Toluene	9.5		"	10.0		94.7	80-127		4.84	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		5.23	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		93.4	78-131		2.75	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.8	63-141		2.64	30	
Trichloroethylene	9.2		"	10.0		91.6	82-128		5.52	30	
Trichlorofluoromethane	9.7		"	10.0		96.6	67-139		7.19	30	
Vinyl Chloride	10		"	10.0		105	58-145		6.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.90*		*"*	*10.0*		*99.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.43*		*"*	*10.0*		*94.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Matrix Spike (BK20726-MS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/11/2022			
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	122	45-161				
1,1,1-Trichloroethane	14		"	10.0	0.0	141	70-146				
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	129	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0	0.0	112	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	124	59-146				
1,1-Dichloroethane	14		"	10.0	0.77	135	54-146				
1,1-Dichloroethylene	14		"	10.0	0.0	142	44-165				
1,2,3-Trichlorobenzene	10		"	10.0	0.0	102	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	124	74-127				
1,2,4-Trichlorobenzene	9.2		"	10.0	0.0	91.9	41-161				
1,2,4-Trimethylbenzene	11		"	10.0	0.0	105	72-129				
1,2-Dibromo-3-chloropropane	12		"	10.0	0.0	123	31-151				
1,2-Dibromoethane	13		"	10.0	0.0	128	75-125	High Bias			
1,2-Dichlorobenzene	11		"	10.0	0.0	108	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	137	68-131	High Bias			
1,2-Dichloropropane	13		"	10.0	0.0	129	77-121	High Bias			
1,3,5-Trimethylbenzene	10		"	10.0	0.0	104	69-126				
1,3-Dichlorobenzene	10		"	10.0	0.0	100	74-119				
1,4-Dichlorobenzene	9.9		"	10.0	0.0	99.0	70-124				
1,4-Dioxane	250		"	210	0.0	118	10-310				
2-Butanone	14		"	10.0	1.5	126	10-193				
2-Hexanone	11		"	10.0	0.0	113	53-133				
4-Methyl-2-pentanone	13		"	10.0	0.20	132	38-150				
Acetone	18		"	10.0	0.0	182	13-149	High Bias			
Acrolein	13		"	10.0	0.0	130	10-195				
Acrylonitrile	15		"	10.0	0.0	155	37-165				
Benzene	14		"	10.0	0.0	140	38-155				
Bromochloromethane	14		"	10.0	0.0	142	75-121	High Bias			
Bromodichloromethane	12		"	10.0	0.0	120	70-129				
Bromoform	13		"	10.0	0.0	130	66-136				
Bromomethane	4.0		"	10.0	0.0	40.4	30-158				
Carbon disulfide	15		"	10.0	0.21	148	10-138	High Bias			
Carbon tetrachloride	14		"	10.0	0.0	136	71-146				
Chlorobenzene	12		"	10.0	0.0	124	81-117	High Bias			
Chloroethane	14		"	10.0	0.0	139	51-145				
Chloroform	14		"	10.0	0.0	137	80-124	High Bias			
Chloromethane	12		"	10.0	0.0	122	16-163				
cis-1,2-Dichloroethylene	13		"	10.0	0.0	133	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	115	58-131				
Cyclohexane	13		"	10.0	0.67	123	70-130				
Dibromochloromethane	12		"	10.0	0.0	123	71-129				
Dibromomethane	12		"	10.0	0.0	124	76-120	High Bias			
Dichlorodifluoromethane	11		"	10.0	0.0	111	30-147				
Ethyl Benzene	12		"	10.0	0.0	117	72-128				
Hexachlorobutadiene	9.2		"	10.0	0.0	92.5	34-166				
Isopropylbenzene	11		"	10.0	0.0	113	66-139				
Methyl acetate	12		"	10.0	0.0	125	10-200				
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	136	75-128	High Bias			
Methylcyclohexane	9.8		"	10.0	0.0	98.1	70-130				
Methylene chloride	14		"	10.0	0.22	133	57-128	High Bias			

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Matrix Spike (BK20726-MS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/11/2022			
n-Butylbenzene	8.0		ug/L	10.0	0.0	79.8	61-138				
n-Propylbenzene	10		"	10.0	0.0	104	66-134				
o-Xylene	12		"	10.0	0.0	119	69-126				
p- & m- Xylenes	23		"	20.0	0.0	114	67-130				
p-Isopropyltoluene	10		"	10.0	0.0	99.5	64-137				
sec-Butylbenzene	11		"	10.0	0.0	108	53-155				
Styrene	12		"	10.0	0.0	116	69-125				
tert-Butyl alcohol (TBA)	75		"	50.0	0.0	151	10-130	High Bias			
tert-Butylbenzene	12		"	10.0	0.0	115	65-139				
Tetrachloroethylene	7.0		"	10.0	0.21	67.4	64-139				
Toluene	12		"	10.0	0.0	123	76-123				
trans-1,2-Dichloroethylene	14		"	10.0	0.0	138	79-131	High Bias			
trans-1,3-Dichloropropylene	11		"	10.0	0.0	114	55-130				
trans-1,4-dichloro-2-butene	9.8		"	10.0	0.0	97.6	25-155				
Trichloroethylene	12		"	10.0	0.27	116	53-145				
Trichlorofluoromethane	13		"	10.0	0.0	129	61-142				
Vinyl Chloride	15		"	10.0	0.0	150	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.96*		*"*	*10.0*		*99.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.75*		*"*	*10.0*		*97.5*	*79-122*				
Matrix Spike Dup (BK20726-MSD1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/11/2022			
1,1,1,2-Tetrachloroethane	14		ug/L	10.0	0.0	138	45-161		12.1	30	
1,1,1-Trichloroethane	16		"	10.0	0.0	160	70-146	High Bias	12.4	30	
1,1,2,2-Tetrachloroethane	14		"	10.0	0.0	145	74-121	High Bias	11.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	136	21-217		18.8	30	
1,1,2-Trichloroethane	14		"	10.0	0.0	140	59-146		12.4	30	
1,1-Dichloroethane	16		"	10.0	0.77	152	54-146	High Bias	12.0	30	
1,1-Dichloroethylene	16		"	10.0	0.0	161	44-165		13.1	30	
1,2,3-Trichlorobenzene	12		"	10.0	0.0	118	40-161		14.9	30	
1,2,3-Trichloropropane	14		"	10.0	0.0	137	74-127	High Bias	10.7	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	106	41-161		14.7	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	120	72-129		13.2	30	
1,2-Dibromo-3-chloropropane	14		"	10.0	0.0	139	31-151		12.1	30	
1,2-Dibromoethane	14		"	10.0	0.0	143	75-125	High Bias	10.8	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	122	63-122		12.8	30	
1,2-Dichloroethane	15		"	10.0	0.0	153	68-131	High Bias	11.2	30	
1,2-Dichloropropane	14		"	10.0	0.0	144	77-121	High Bias	10.9	30	
1,3,5-Trimethylbenzene	12		"	10.0	0.0	120	69-126		14.4	30	
1,3-Dichlorobenzene	12		"	10.0	0.0	116	74-119		14.1	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	114	70-124		14.4	30	
1,4-Dioxane	270		"	210	0.0	130	10-310		9.35	30	
2-Butanone	15		"	10.0	1.5	136	10-193		7.49	30	
2-Hexanone	13		"	10.0	0.0	126	53-133		10.5	30	
4-Methyl-2-pentanone	15		"	10.0	0.20	146	38-150		10.4	30	
Acetone	18		"	10.0	0.0	183	13-149	High Bias	0.657	30	
Acrolein	15		"	10.0	0.0	147	10-195		12.0	30	
Acrylonitrile	17		"	10.0	0.0	170	37-165	High Bias	9.19	30	
Benzene	16		"	10.0	0.0	158	38-155	High Bias	12.6	30	
Bromochloromethane	16		"	10.0	0.0	157	75-121	High Bias	10.0	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Matrix Spike Dup (BK20726-MSD1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/11/2022			
Bromodichloromethane	14		ug/L	10.0	0.0	135	70-129	High Bias	11.7	30	
Bromoform	14		"	10.0	0.0	144	66-136	High Bias	10.1	30	
Bromomethane	6.1		"	10.0	0.0	61.4	30-158		41.3	30	Non-dir.
Carbon disulfide	17		"	10.0	0.21	168	10-138	High Bias	12.7	30	
Carbon tetrachloride	16		"	10.0	0.0	156	71-146	High Bias	13.6	30	
Chlorobenzene	14		"	10.0	0.0	140	81-117	High Bias	12.7	30	
Chloroethane	15		"	10.0	0.0	153	51-145	High Bias	9.65	30	
Chloroform	15		"	10.0	0.0	153	80-124	High Bias	10.9	30	
Chloromethane	14		"	10.0	0.0	137	16-163		11.3	30	
cis-1,2-Dichloroethylene	15		"	10.0	0.0	149	76-125	High Bias	11.3	30	
cis-1,3-Dichloropropylene	13		"	10.0	0.0	129	58-131		11.5	30	
Cyclohexane	15		"	10.0	0.67	139	70-130	High Bias	12.4	30	
Dibromochloromethane	14		"	10.0	0.0	139	71-129	High Bias	11.8	30	
Dibromomethane	14		"	10.0	0.0	138	76-120	High Bias	10.4	30	
Dichlorodifluoromethane	14		"	10.0	0.0	136	30-147		19.8	30	
Ethyl Benzene	13		"	10.0	0.0	133	72-128	High Bias	12.9	30	
Hexachlorobutadiene	10		"	10.0	0.0	105	34-166		12.7	30	
Isopropylbenzene	13		"	10.0	0.0	129	66-139		13.4	30	
Methyl acetate	14		"	10.0	0.0	139	10-200		10.8	30	
Methyl tert-butyl ether (MTBE)	15		"	10.0	0.0	152	75-128	High Bias	11.1	30	
Methylcyclohexane	11		"	10.0	0.0	112	70-130		13.4	30	
Methylene chloride	15		"	10.0	0.22	147	57-128	High Bias	10.1	30	
n-Butylbenzene	9.3		"	10.0	0.0	92.6	61-138		14.8	30	
n-Propylbenzene	12		"	10.0	0.0	120	66-134		14.2	30	
o-Xylene	14		"	10.0	0.0	135	69-126	High Bias	12.5	30	
p- & m- Xylenes	26		"	20.0	0.0	131	67-130	High Bias	13.8	30	
p-Isopropyltoluene	11		"	10.0	0.0	115	64-137		14.1	30	
sec-Butylbenzene	12		"	10.0	0.0	122	53-155		13.0	30	
Styrene	13		"	10.0	0.0	132	69-125	High Bias	13.0	30	
tert-Butyl alcohol (TBA)	83		"	50.0	0.0	166	10-130	High Bias	9.78	30	
tert-Butylbenzene	13		"	10.0	0.0	129	65-139		11.3	30	
Tetrachloroethylene	8.1		"	10.0	0.21	78.8	64-139		15.6	30	
Toluene	14		"	10.0	0.0	137	76-123	High Bias	11.1	30	
trans-1,2-Dichloroethylene	16		"	10.0	0.0	157	79-131	High Bias	12.6	30	
trans-1,3-Dichloropropylene	13		"	10.0	0.0	128	55-130		11.6	30	
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	113	25-155		14.4	30	
Trichloroethylene	13		"	10.0	0.27	132	53-145		12.7	30	
Trichlorofluoromethane	14		"	10.0	0.0	145	61-142	High Bias	11.5	30	
Vinyl Chloride	17		"	10.0	0.0	168	31-165	High Bias	11.6	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.41*		*"*	*10.0*		*94.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.70*		*"*	*10.0*		*97.0*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20771 - Preparation for GC Analysis											
Blank (BK20771-BLK1)									Prepared & Analyzed: 11/12/2022		
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BK20771-DUP1)	*Source sample: 22K0306-03 (LMW-50_20221104)								Prepared & Analyzed: 11/12/2022		
Methane	730	10	ug/L		650				11.8	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20551 - EPA 3015A											
Blank (BK20551-BLK1)									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Iron	ND	0.278	mg/L								
Manganese	ND	0.00556	"								
LCS (BK20551-BS1)									Prepared & Analyzed: 11/09/2022		
Iron	1.09		ug/mL	1.00		109	80-120				
Manganese	0.548		"	0.500		110	80-120				
Duplicate (BK20551-DUP1)	*Source sample: 22K0032-02 (Duplicate)								Prepared & Analyzed: 11/09/2022		
Iron	0.930	0.278	mg/L		0.985				5.75	20	
Manganese	0.0370	0.00556	"		0.0357				3.51	20	
Matrix Spike (BK20551-MS1)	*Source sample: 22K0032-02 (Matrix Spike)								Prepared & Analyzed: 11/09/2022		
Iron	2.09	0.278	mg/L	1.11	0.985	99.2	75-125				
Manganese	0.630	0.00556	"	0.556	0.0357	107	75-125				
Post Spike (BK20551-PS1)	*Source sample: 22K0032-02 (Post Spike)								Prepared & Analyzed: 11/09/2022		
Iron	1.98		ug/mL	1.00	0.887	109	75-125				
Manganese	0.595		"	0.500	0.0321	113	75-125				
Batch BK20553 - EPA 3015A											
Blank (BK20553-BLK1)									Prepared & Analyzed: 11/09/2022		
Iron - Dissolved	ND	0.278	mg/L								
Manganese - Dissolved	ND	0.00556	"								
LCS (BK20553-BS1)									Prepared & Analyzed: 11/09/2022		
Iron - Dissolved	1.04		ug/mL	1.00		104	80-120				
Manganese - Dissolved	0.525		"	0.500		105	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20553 - EPA 3015A											
Duplicate (BK20553-DUP1)	*Source sample: 22K0032-02 (Duplicate)							Prepared & Analyzed: 11/09/2022			
Iron - Dissolved	ND	0.278	mg/L		ND					20	
Manganese - Dissolved	0.0157	0.00556	"		0.0167				6.34	20	
Matrix Spike (BK20553-MS1)	*Source sample: 22K0032-02 (Matrix Spike)							Prepared & Analyzed: 11/09/2022			
Iron - Dissolved	1.17	0.278	mg/L	1.11	ND	106	75-125				
Manganese - Dissolved	0.619	0.00556	"	0.556	0.0167	108	75-125				
Post Spike (BK20553-PS1)	*Source sample: 22K0032-02 (Post Spike)							Prepared & Analyzed: 11/09/2022			
Iron - Dissolved	1.20		ug/mL	1.00	0.0816	111	75-125				
Manganese - Dissolved	0.588		"	0.500	0.0151	115	75-125				
Batch BK20637 - EPA 3015A											
Blank (BK20637-BLK1)								Prepared & Analyzed: 11/10/2022			
Iron	ND	0.278	mg/L								
Manganese	ND	0.00556	"								
LCS (BK20637-BS1)								Prepared & Analyzed: 11/10/2022			
Iron	1.09		ug/mL	1.00		109	80-120				
Manganese	0.552		"	0.500		110	80-120				
Duplicate (BK20637-DUP1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/10/2022			
Iron	5.14	0.278	mg/L		5.29				2.80	20	
Manganese	0.153	0.00556	"		0.154				0.216	20	
Matrix Spike (BK20637-MS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/10/2022			
Iron	6.28	0.278	mg/L	1.11	5.29	89.5	75-125				
Manganese	0.762	0.00556	"	0.556	0.154	110	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20637 - EPA 3015A											
Post Spike (BK20637-PS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/10/2022			
Iron	5.79		ug/mL	1.00	4.76	103	75-125				
Manganese	0.699		"	0.500	0.138	112	75-125				
Batch BK20638 - EPA 3015A											
Blank (BK20638-BLK1)								Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved	ND	0.278	mg/L								
Manganese - Dissolved	ND	0.00556	"								
LCS (BK20638-BS1)								Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved	1.01		ug/mL	1.00		101	80-120				
Manganese - Dissolved	0.515		"	0.500		103	80-120				
Duplicate (BK20638-DUP1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved	0.334	0.278	mg/L		0.329				1.57	20	
Manganese - Dissolved	0.0765	0.00556	"		0.0773				0.920	20	
Matrix Spike (BK20638-MS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved	1.45	0.278	mg/L	1.11	0.329	101	75-125				
Manganese - Dissolved	0.643	0.00556	"	0.556	0.0773	102	75-125				
Post Spike (BK20638-PS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved	1.38		ug/mL	1.00	0.296	108	75-125				
Manganese - Dissolved	0.631		"	0.500	0.0695	112	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20594 - EPA 300											
Blank (BK20594-BLK1)								Prepared: 11/09/2022 Analyzed: 11/10/2022			
Chloride	ND	0.500	mg/L								
Sulfate	ND	1.00	"								
LCS (BK20594-BS1)								Prepared: 11/09/2022 Analyzed: 11/10/2022			
Chloride	10.4	0.500	mg/L	10.0		104	90-110				
Sulfate	10.4	1.00	"	10.0		104	85-115				
Duplicate (BK20594-DUP1)	*Source sample: 22K0361-05 (Duplicate)							Prepared: 11/09/2022 Analyzed: 11/10/2022			
Chloride	51.3	0.500	mg/L		368				151	15	Non-dir.
Sulfate	74.0	1.00	"		11.7				145	15	Non-dir.
Duplicate (BK20594-DUP2)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/09/2022 Analyzed: 11/14/2022			
Chloride	182	5.00	mg/L		259				35.1	15	Non-dir.
Sulfate	114	10.0	"		117				2.41	15	
Matrix Spike (BK20594-MS1)	*Source sample: 22K0361-05 (Matrix Spike)							Prepared: 11/09/2022 Analyzed: 11/10/2022			
Chloride	51.6	0.500	mg/L	10.0	368	NR	85-115	Low Bias			
Sulfate	75.5	1.00	"	10.0	11.7	637	85-115	High Bias			
Matrix Spike (BK20594-MS2)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/09/2022 Analyzed: 11/14/2022			
Chloride	26.4	5.00	mg/L	10.0	259	NR	85-115	Low Bias			
Sulfate	20.4	1.00	"	10.0	117	NR	85-115	Low Bias			
Batch BK20758 - EPA 300											
Blank (BK20758-BLK1)								Prepared & Analyzed: 11/10/2022			
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 300											
LCS (BK20758-BS1)								Prepared & Analyzed: 11/10/2022			
Nitrate as N	10.5	0.0500	mg/L	10.0		105	90-110				
Nitrite as N	10.3	0.0500	"	10.0		103	90-110				
Duplicate (BK20758-DUP1)	*Source sample: 22K0498-01 (Duplicate)							Prepared & Analyzed: 11/10/2022			
Nitrate as N	ND	0.0500	mg/L							15	
Nitrite as N	ND	0.0500	"		ND					15	
Matrix Spike (BK20758-MS1)	*Source sample: 22K0498-01 (Matrix Spike)							Prepared & Analyzed: 11/10/2022			
Nitrate as N	ND	0.0500	mg/L	10.0			90-110	Low Bias			
Nitrite as N	12.3	0.0500	"	10.0	ND	123	90-110	High Bias			
Matrix Spike (BK20758-MS2)	*Source sample: 22K0497-02 (Matrix Spike)							Prepared & Analyzed: 11/10/2022			
Nitrate as N	45.5	0.0500	mg/L	10.0	0.0977	454	90-110	High Bias			
Nitrite as N	11.0	0.0500	"	10.0	0.395	106	90-110				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20373 - Analysis Preparation											
Duplicate (BK20373-DUP1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/07/2022			
Alkalinity, total	230	2.0	mg/L		230				1.74	15	
Reference (BK20373-SRM1)								Prepared & Analyzed: 11/07/2022			
Alkalinity, total	80		mg/L	80.7		99.1	90-110				
Batch BK20549 - Analysis Preparation											
Blank (BK20549-BLK1)								Prepared: 11/09/2022 Analyzed: 11/10/2022			
Total Organic Carbon (TOC)	ND	1.00	mg/L								
Duplicate (BK20549-DUP1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/09/2022 Analyzed: 11/10/2022			
Total Organic Carbon (TOC)	28.1	1.00	mg/L		27.6				1.87	15	
Matrix Spike (BK20549-MS1)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared: 11/09/2022 Analyzed: 11/10/2022			
Total Organic Carbon (TOC)	36.7	1.00	mg/L	20.0	27.6	45.7	85-115	Low Bias			
Reference (BK20549-SRM1)								Prepared: 11/09/2022 Analyzed: 11/10/2022			
Total Organic Carbon (TOC)	78.8		mg/L	79.2		99.4	83.96-115				
Batch BK20552 - Analysis Preparation											
Blank (BK20552-BLK1)								Prepared & Analyzed: 11/09/2022			
Sulfide	ND	1.0	mg/L								
LCS (BK20552-BS1)								Prepared & Analyzed: 11/09/2022			
Sulfide	44	1.0	mg/L	50.0		88.0	80-120				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20552 - Analysis Preparation											
Duplicate (BK20552-DUP1)	*Source sample: 22K0306-03 (LMW-50_20221104)								Prepared & Analyzed: 11/09/2022		
Sulfide	2.2	1.0	mg/L		2.2				0.00	15	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20507 - % Solids Prep											
Blank (BK20507-BLK1)								Prepared & Analyzed: 11/08/2022			
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BK20507-DUP1)	*Source sample: 22K0209-01 (Duplicate)							Prepared & Analyzed: 11/08/2022			
Total Dissolved Solids	300	10.0	mg/L		301				0.333	15	
Duplicate (BK20507-DUP2)	*Source sample: 22K0306-03 (LMW-50_20221104)							Prepared & Analyzed: 11/08/2022			
Total Dissolved Solids	780	10.0	mg/L		779				0.128	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22K0306-01	LMW-48_20221104	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0306-02	LMW-49_20221104	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0306-03	LMW-50_20221104	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0306-04	TB_20221104	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-11	The spike recovery or RPD may not be available or within QC limits because of sample dilution due to high analyte concentration and/or matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE20	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 20% of expected value).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22KC306

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN	Company:	Company:	100766601	RUSH - Next Day
Address: 300 Kimball Dr Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 23-30 BordenAve	RUSH - Two Day
Phone.: 973-560-4900	Phone.:	Phone.:		RUSH - Three Day
Contact: Aroona Boodram	Contact:	Contact:		RUSH - Four Day
E-mail: aboodram@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X
				(7-10 for PFAS)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; Standard Excel EDD; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; Other:; EQuIS (Standard); NYSDEC EQuIS; NJDKQP; NJDEP SRP HazSite

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LMW-48-20221104	GW	11/4/22 0900	VOCs, Total+Dissolved Iron, Total+Dissolved manganese, nitrate, nitrite, sulfate, sulfide, chloride, methane, ethane, ethene, TOC, TDS, alkalinity	4x250 mL Plastic	
LMW-49-20221104	GW	1150	↓	8x vials	
** LMW-50-20221104	GW	1350	↓	↓	
TB-20221104	AQ	↓ 1500	VOCs	2x vials	

Comments: all samples may contain EVO+ZVI.
* FIRM 5-DAY TAT *
** LMW-50-20221104 extra volume for MS/MSD

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ✓ ZnAc ✓ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ✓

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LANGAN	11/4/22	MARU YORK	15:36 11/4/22	MARU YORK	11/4/22 1935
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time 11/4/22 1935 Temperature 3.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 11/16/2022
Client Project ID: 100766601
York Project (SDG) No.: 22K0361

Report Date: 11/16/2022
Client Project ID: 100766601
York Project (SDG) No.: 22K0361

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 07, 2022 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

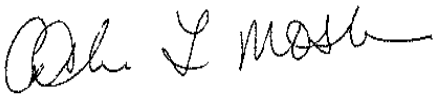
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22K0361-01	TB_20221107	Water	11/07/2022	11/07/2022
22K0361-02	FB_20221107	Water	11/07/2022	11/07/2022
22K0361-03	LMW-41_20221107	Water	11/07/2022	11/07/2022
22K0361-04	LMW-42_20221107	Water	11/07/2022	11/07/2022
22K0361-05	LMW-43_20221107	Water	11/07/2022	11/07/2022
22K0361-06	LMW-44_20221107	Water	11/07/2022	11/07/2022
22K0361-07	LMW-45_20221107	Water	11/07/2022	11/07/2022
22K0361-08	LMW-46_20221107	Water	11/07/2022	11/07/2022
22K0361-09	LMW-47_20221107	Water	11/07/2022	11/07/2022
22K0361-10	LMW-40_20221107	Water	11/07/2022	11/07/2022
22K0361-11	LMW-51_20221107	Water	11/07/2022	11/07/2022
22K0361-12	DUP_20221107	Water	11/07/2022	11/07/2022

General Notes for York Project (SDG) No.: 22K0361

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 11/16/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: TB_20221107 **York Sample ID:** 22K0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 6:40 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20221107 **York Sample ID:** 22K0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 6:40 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20221107 **York Sample ID:** 22K0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 6:40 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20221107 **York Sample ID:** 22K0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 6:40 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 08:00	11/09/2022 12:57	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.7 %*	*79-122*

Sample Information

Client Sample ID: FB_20221107 **York Sample ID:** 22K0361-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 7:00 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20221107 **York Sample ID:** 22K0361-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 7:00 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20221107 **York Sample ID:** 22K0361-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 7:00 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**1.4**	CCVE, J, B	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20221107 **York Sample ID:** 22K0361-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 7:00 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 08:00	11/09/2022 13:26	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:24	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:24	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:24	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:09	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:28	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:09	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: FB_20221107 **York Sample ID:** 22K0361-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 7:00 am	11/07/2022

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:28	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**0.636**		mg/L	0.500	1	EPA 300.0	11/10/2022 16:12	11/11/2022 18:41	AD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 14:24	11/10/2022 14:24	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 14:24	11/10/2022 14:24	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	11/10/2022 16:12	11/11/2022 18:41	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	ND		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: FB_20221107 **York Sample ID:** 22K0361-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 7:00 am	11/07/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	ND		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**12.0**		mg/L	10.0	1	SM 2540C-2015	11/10/2022 19:40	11/10/2022 19:40	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-41_20221107** **York Sample ID:** **22K0361-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:15 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**2.4**	J	ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**2.8**	J	ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**130**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**62**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-41_20221107 **York Sample ID:** 22K0361-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:15 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	10	20	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**120**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**20**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-41_20221107 **York Sample ID:** 22K0361-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:15 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**2300**		ug/L	10	25	50	EPA 8260C	11/09/2022 12:30	11/10/2022 15:06	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**120**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**47**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**40**	B	ug/L	10	20	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**57**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**450**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1100**		ug/L	5.0	10	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**6.4**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**30**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-41_20221107 **York Sample ID:** 22K0361-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:15 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**1500**		ug/L	6.0	15	10	EPA 8260C	11/09/2022 12:30	11/09/2022 23:51	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.2 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**2000**		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:33	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:33	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	11/12/2022 11:13	11/12/2022 12:33	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**26.8**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:12	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**7.09**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:31	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.53**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:12	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-41_20221107 **York Sample ID:** 22K0361-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:15 pm	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.43**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:31	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**289**		mg/L	5.00	10	EPA 300.0	11/10/2022 14:33	11/10/2022 14:33	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 14:33	11/10/2022 14:33	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 14:33	11/10/2022 14:33	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**35.6**		mg/L	1.00	1	EPA 300.0	11/10/2022 14:33	11/10/2022 14:33	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**320**	CONT-02	mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-41_20221107 **York Sample ID:** 22K0361-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:15 pm	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.30**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**991**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-42_20221107 **York Sample ID:** 22K0361-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 12:00 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**78**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**26**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-42_20221107 **York Sample ID:** 22K0361-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 12:00 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**23**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**11**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-42_20221107 **York Sample ID:** 22K0361-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 12:00 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**680**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**68**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**28**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**34**	B	ug/L	10	20	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**35**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**150**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**94**		ug/L	5.0	10	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**4.7**	J	ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**4.5**	J	ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-42_20221107 **York Sample ID:** 22K0361-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 12:00 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**240**		ug/L	6.0	15	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:19	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.3 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**7000**		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 12:59	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 12:59	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 12:59	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**39.9**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:15	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**40.0**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:33	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.76**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:15	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-42_20221107 **York Sample ID:** 22K0361-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 12:00 pm	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.76**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:33	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**544**		mg/L	10.0	20	EPA 300.0	11/10/2022 14:43	11/10/2022 14:43	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 14:43	11/10/2022 14:43	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 14:43	11/10/2022 14:43	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**18.4**		mg/L	1.00	1	EPA 300.0	11/10/2022 14:43	11/10/2022 14:43	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**330**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.3**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-42_20221107 **York Sample ID:** 22K0361-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 12:00 pm	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6.52**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1290**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-43_20221107 **York Sample ID:** 22K0361-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:59 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-43_20221107 **York Sample ID:** 22K0361-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:59 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	10	20	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-43_20221107 **York Sample ID:** 22K0361-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:59 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**5.0**		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**43**	B	ug/L	10	20	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-43_20221107 **York Sample ID:** 22K0361-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:59 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	6.0	15	10	EPA 8260C	11/09/2022 12:30	11/10/2022 00:47	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**2500**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 12:51	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 12:51	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 12:51	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**7.06**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:17	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**6.57**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:35	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.395**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:17	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-43_20221107 **York Sample ID:** 22K0361-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:59 am	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.373**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:35	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**368**		mg/L	5.00	10	EPA 300.0	11/10/2022 16:41	11/10/2022 16:41	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/09/2022 17:04	11/10/2022 16:41	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/09/2022 17:04	11/10/2022 16:41	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**11.7**		mg/L	10.0	10	EPA 300.0	11/10/2022 16:41	11/10/2022 16:41	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**280**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.6**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-43_20221107 **York Sample ID:** 22K0361-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:59 am	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.91**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**643**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-44_20221107 **York Sample ID:** 22K0361-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 10:01 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**2.0**	J	ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	200	200	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-44_20221107 **York Sample ID:** 22K0361-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 10:01 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND	ICVE	ug/L	5.0	10	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**13**		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	**Chloroethane**	**2.0**	J	ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-44_20221107 **York Sample ID:** 22K0361-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 10:01 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**1.4**	J	ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**7.0**	J	ug/L	5.0	10	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-44_20221107 **York Sample ID:** 22K0361-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 10:01 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	11/09/2022 12:30	11/10/2022 16:03	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**11000**		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 13:14	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 13:14	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	100	10	GC/Headspace	11/12/2022 11:13	11/12/2022 13:14	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**30.3**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:20	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**24.4**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:38	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**2.00**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:20	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-44_20221107 **York Sample ID:** 22K0361-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 10:01 am	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.86**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:38	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**316**		mg/L	50.0	100	EPA 300.0	11/15/2022 17:40	11/15/2022 21:06	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:13	11/10/2022 15:13	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:13	11/10/2022 15:13	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**18.6**		mg/L	10.0	10	EPA 300.0	11/10/2022 15:13	11/10/2022 15:13	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**300**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.4**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-44_20221107 **York Sample ID:** 22K0361-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 10:01 am	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6.21**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1020**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-45_20221107** **York Sample ID:** **22K0361-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:01 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**0.64**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**2.0**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-45_20221107 **York Sample ID:** 22K0361-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:01 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	**4-Methyl-2-pentanone**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**2.1**	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-45_20221107 **York Sample ID:** 22K0361-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:01 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-45_20221107 **York Sample ID:** 22K0361-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:01 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 12:30	11/10/2022 16:32	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**5700**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:23	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:23	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:23	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**13.4**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:28	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**13.2**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:40	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.47**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:28	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-45_20221107 **York Sample ID:** 22K0361-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:01 pm	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.44**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:40	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**420**		mg/L	50.0	100	EPA 300.0	11/15/2022 17:40	11/15/2022 21:36	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:23	11/10/2022 15:23	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:23	11/10/2022 15:23	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**32.5**		mg/L	20.0	20	EPA 300.0	11/10/2022 15:23	11/10/2022 15:23	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**420**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.1**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-45_20221107 **York Sample ID:** 22K0361-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:01 pm	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**7.42**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1270**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-46_20221107** **York Sample ID:** **22K0361-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:30 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**13**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-46_20221107 **York Sample ID:** 22K0361-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:30 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**11**	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-46_20221107 **York Sample ID:** 22K0361-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:30 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-46_20221107 **York Sample ID:** 22K0361-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:30 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:01	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.4 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**4500**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:31	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:31	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:31	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**29.7**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:31	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**28.9**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.98**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:31	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-46_20221107 **York Sample ID:** 22K0361-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:30 am	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.95**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:42	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**393**		mg/L	50.0	100	EPA 300.0	11/15/2022 17:40	11/15/2022 21:46	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:33	11/10/2022 15:33	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:33	11/10/2022 15:33	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	11/10/2022 15:33	11/10/2022 15:33	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**360**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.2**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-46_20221107 **York Sample ID:** 22K0361-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 11:30 am	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**19.2**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1350**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-47_20221107** **York Sample ID:** **22K0361-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:30 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.72**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-47_20221107 **York Sample ID:** 22K0361-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:30 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**1.0**	ICVE, J	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	**Chloroethane**	**0.55**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-47_20221107 **York Sample ID:** 22K0361-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:30 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-47_20221107 **York Sample ID:** 22K0361-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:30 pm	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:30	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.8 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**8400**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:40	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:40	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:40	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**28.2**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:33	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**22.8**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.43**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:33	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-47_20221107 **York Sample ID:** 22K0361-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:30 pm	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.33**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:45	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**539**		mg/L	10.0	20	EPA 300.0	11/10/2022 15:42	11/10/2022 15:42	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:42	11/10/2022 15:42	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:42	11/10/2022 15:42	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	11/10/2022 15:42	11/10/2022 15:42	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**540**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.3**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-47_20221107 **York Sample ID:** 22K0361-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 2:30 pm	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5.97**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**986**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-40_20221107** **York Sample ID:** **22K0361-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:50 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**6.3**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.46**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-40_20221107 **York Sample ID:** 22K0361-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:50 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**1.2**	ICVE, J	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**7.8**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	**Chloroethane**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**3.1**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**0.75**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-40_20221107 **York Sample ID:** 22K0361-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:50 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-40_20221107 **York Sample ID:** 22K0361-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:50 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**33**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**0.79**	J	ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 12:30	11/10/2022 17:59	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**3600**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:48	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:48	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:48	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**13.2**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:36	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**12.8**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:47	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.491**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:36	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-40_20221107 **York Sample ID:** 22K0361-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:50 am	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.474**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:47	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**391**		mg/L	5.00	10	EPA 300.0	11/10/2022 15:52	11/10/2022 15:52	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 15:52	11/10/2022 15:52	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 17:51	11/10/2022 17:51	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**420**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.2**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**9.69**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-40_20221107 **York Sample ID:** 22K0361-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:50 am	11/07/2022

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1070**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-51_20221107** **York Sample ID:** **22K0361-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:20 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**9.0**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-51_20221107 **York Sample ID:** 22K0361-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:20 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	**4-Methyl-2-pentanone**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**72**	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	**Carbon disulfide**	**2.1**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-51_20221107 **York Sample ID:** 22K0361-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:20 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-51_20221107 **York Sample ID:** 22K0361-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:20 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:28	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**540**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:57	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:57	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 13:57	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.465**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:38	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:55	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0119**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:38	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-51_20221107 **York Sample ID:** 22K0361-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:20 am	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.00970**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:55	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**315**		mg/L	5.00	10	EPA 300.0	11/09/2022 17:04	11/10/2022 16:02	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 16:02	11/10/2022 16:02	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 16:02	11/10/2022 16:02	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**182**		mg/L	10.0	10	EPA 300.0	11/09/2022 17:04	11/10/2022 16:02	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**450**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**4.0**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-51_20221107 **York Sample ID:** 22K0361-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:20 am	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.45**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1130**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20221107 **York Sample ID:** 22K0361-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:25 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**9.2**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: DUP_20221107 **York Sample ID:** 22K0361-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:25 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	**4-Methyl-2-pentanone**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**72**	ICVE	ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	**Carbon disulfide**	**2.2**		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20221107 **York Sample ID:** 22K0361-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:25 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: DUP_20221107 **York Sample ID:** 22K0361-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:25 am	11/07/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/09/2022 12:30	11/10/2022 18:56	SA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**260**		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 14:05	sk
							Certifications:			
74-84-0	* Ethane	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 14:05	sk
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	50	5	GC/Headspace	11/12/2022 11:13	11/12/2022 14:05	sk
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.471**		mg/L	0.278	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:41	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.761**		mg/L	0.278	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:58	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0122**		mg/L	0.00556	1	EPA 6010D	11/10/2022 09:58	11/10/2022 17:41	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20221107 **York Sample ID:** 22K0361-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:25 am	11/07/2022

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0154**		mg/L	0.00556	1	EPA 6010D	11/10/2022 10:04	11/14/2022 11:58	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**310**		mg/L	5.00	10	EPA 300.0	11/09/2022 17:04	11/10/2022 16:12	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 16:12	11/10/2022 16:12	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	**Nitrite as N**	**0.0626**	HT-01R	mg/L	0.0500	1	EPA 300.0	11/10/2022 16:12	11/10/2022 16:12	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**182**		mg/L	10.0	10	EPA 300.0	11/09/2022 17:04	11/10/2022 16:12	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**450**		mg/L	2.0	1	SM 2320B	11/11/2022 07:06	11/11/2022 10:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**4.3**		mg/L	1.0	1	SM 4500-S F	11/09/2022 10:12	11/09/2022 16:58	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: DUP_20221107 **York Sample ID:** 22K0361-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0361	100766601	Water	November 7, 2022 9:25 am	11/07/2022

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**93.0**		mg/L	1.00	1	SM 5310B-2014	11/09/2022 09:38	11/10/2022 15:39	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1220**		mg/L	10.0	1	SM 2540C-2015	11/11/2022 17:50	11/11/2022 17:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BK20539 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-01	TB_20221107	11/09/22
22K0361-02	FB_20221107	11/09/22
BK20539-BLK1	Blank	11/09/22
BK20539-BS1	LCS	11/09/22
BK20539-BSD1	LCS Dup	11/09/22
BK20539-MS2	Matrix Spike	11/09/22
BK20539-MSD2	Matrix Spike Dup	11/09/22

Batch ID: BK20549 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/09/22
22K0361-03	LMW-41_20221107	11/09/22
22K0361-04	LMW-42_20221107	11/09/22
22K0361-05	LMW-43_20221107	11/09/22
22K0361-06	LMW-44_20221107	11/09/22
22K0361-07	LMW-45_20221107	11/09/22
22K0361-08	LMW-46_20221107	11/09/22
22K0361-09	LMW-47_20221107	11/09/22
22K0361-10	LMW-40_20221107	11/09/22
22K0361-11	LMW-51_20221107	11/09/22
22K0361-12	DUP_20221107	11/09/22
BK20549-BLK1	Blank	11/09/22
BK20549-DUP1	Duplicate	11/09/22
BK20549-MS1	Matrix Spike	11/09/22
BK20549-SRM1	Reference	11/09/22

Batch ID: BK20552 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/09/22
22K0361-03	LMW-41_20221107	11/09/22
22K0361-04	LMW-42_20221107	11/09/22
22K0361-05	LMW-43_20221107	11/09/22
22K0361-06	LMW-44_20221107	11/09/22
22K0361-07	LMW-45_20221107	11/09/22
22K0361-08	LMW-46_20221107	11/09/22
22K0361-09	LMW-47_20221107	11/09/22
22K0361-10	LMW-40_20221107	11/09/22
22K0361-11	LMW-51_20221107	11/09/22
22K0361-12	DUP_20221107	11/09/22
BK20552-BLK1	Blank	11/09/22
BK20552-BS1	LCS	11/09/22
BK20552-DUP1	Duplicate	11/09/22

Batch ID: BK20562 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-03	LMW-41_20221107	11/09/22
22K0361-04	LMW-42_20221107	11/09/22
22K0361-05	LMW-43_20221107	11/09/22
BK20562-BLK1	Blank	11/09/22
BK20562-BS1	LCS	11/09/22
BK20562-BSD1	LCS Dup	11/09/22

Batch ID: BK20592 **Preparation Method:** EPA 300 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/10/22
22K0361-02	FB_20221107	11/10/22
22K0361-03	LMW-41_20221107	11/10/22
22K0361-04	LMW-42_20221107	11/10/22
22K0361-05	LMW-43_20221107	11/10/22
22K0361-06	LMW-44_20221107	11/10/22
22K0361-07	LMW-45_20221107	11/10/22
22K0361-08	LMW-46_20221107	11/10/22
22K0361-09	LMW-47_20221107	11/10/22
22K0361-10	LMW-40_20221107	11/10/22
22K0361-10	LMW-40_20221107	11/10/22
22K0361-11	LMW-51_20221107	11/10/22
22K0361-12	DUP_20221107	11/10/22
BK20592-BLK1	Blank	11/10/22
BK20592-BS1	LCS	11/10/22
BK20592-DUP1	Duplicate	11/10/22
BK20592-MS1	Matrix Spike	11/10/22
BK20592-MS2	Matrix Spike	11/10/22

Batch ID: BK20594 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-05	LMW-43_20221107	11/09/22
22K0361-11	LMW-51_20221107	11/09/22
22K0361-12	DUP_20221107	11/09/22
BK20594-BLK1	Blank	11/09/22
BK20594-BS1	LCS	11/09/22
BK20594-DUP1	Duplicate	11/09/22
BK20594-DUP2	Duplicate	11/09/22
BK20594-MS1	Matrix Spike	11/09/22
BK20594-MS2	Matrix Spike	11/09/22

Batch ID: BK20624 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date

22K0361-03RE1	LMW-41_20221107	11/09/22
22K0361-03RE2	LMW-41_20221107	11/09/22
22K0361-04RE1	LMW-42_20221107	11/09/22
22K0361-06	LMW-44_20221107	11/09/22
22K0361-07	LMW-45_20221107	11/09/22
22K0361-08	LMW-46_20221107	11/09/22
22K0361-09	LMW-47_20221107	11/09/22
22K0361-10	LMW-40_20221107	11/09/22
22K0361-11	LMW-51_20221107	11/09/22
22K0361-12	DUP_20221107	11/09/22
BK20624-BLK1	Blank	11/10/22
BK20624-BS1	LCS	11/10/22
BK20624-BSD1	LCS Dup	11/10/22

Batch ID: BK20637 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/10/22
22K0361-03	LMW-41_20221107	11/10/22
22K0361-04	LMW-42_20221107	11/10/22
22K0361-05	LMW-43_20221107	11/10/22
22K0361-06	LMW-44_20221107	11/10/22
22K0361-07	LMW-45_20221107	11/10/22
22K0361-08	LMW-46_20221107	11/10/22
22K0361-09	LMW-47_20221107	11/10/22
22K0361-10	LMW-40_20221107	11/10/22
22K0361-11	LMW-51_20221107	11/10/22
22K0361-12	DUP_20221107	11/10/22
BK20637-BLK1	Blank	11/10/22
BK20637-BS1	LCS	11/10/22
BK20637-DUP1	Duplicate	11/10/22
BK20637-MS1	Matrix Spike	11/10/22
BK20637-PS1	Post Spike	11/10/22

Batch ID: BK20638 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/10/22
22K0361-03	LMW-41_20221107	11/10/22
22K0361-04	LMW-42_20221107	11/10/22
22K0361-05	LMW-43_20221107	11/10/22
22K0361-06	LMW-44_20221107	11/10/22
22K0361-07	LMW-45_20221107	11/10/22
22K0361-08	LMW-46_20221107	11/10/22
22K0361-09	LMW-47_20221107	11/10/22
22K0361-10	LMW-40_20221107	11/10/22
22K0361-11	LMW-51_20221107	11/10/22
22K0361-12	DUP_20221107	11/10/22
BK20638-BLK1	Blank	11/10/22
BK20638-BS1	LCS	11/10/22
BK20638-DUP1	Duplicate	11/10/22

BK20638-MS1	Matrix Spike	11/10/22
BK20638-PS1	Post Spike	11/10/22

Batch ID: BK20685 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/10/22
BK20685-BLK1	Blank	11/10/22
BK20685-DUP1	Duplicate	11/10/22
BK20685-DUP2	Duplicate	11/10/22

Batch ID: BK20693 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/11/22
22K0361-03	LMW-41_20221107	11/11/22
22K0361-04	LMW-42_20221107	11/11/22
22K0361-05	LMW-43_20221107	11/11/22
22K0361-06	LMW-44_20221107	11/11/22
22K0361-07	LMW-45_20221107	11/11/22
22K0361-08	LMW-46_20221107	11/11/22
22K0361-09	LMW-47_20221107	11/11/22
22K0361-10	LMW-40_20221107	11/11/22
22K0361-11	LMW-51_20221107	11/11/22
22K0361-12	DUP_20221107	11/11/22
BK20693-DUP1	Duplicate	11/11/22
BK20693-SRM1	Reference	11/11/22

Batch ID: BK20726 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-03RE3	LMW-41_20221107	11/09/22
BK20726-BLK1	Blank	11/11/22
BK20726-BS1	LCS	11/11/22
BK20726-BSD1	LCS Dup	11/11/22
BK20726-MS1	Matrix Spike	11/11/22
BK20726-MSD1	Matrix Spike Dup	11/11/22

Batch ID: BK20761 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-03	LMW-41_20221107	11/11/22
22K0361-04	LMW-42_20221107	11/11/22
22K0361-05	LMW-43_20221107	11/11/22
22K0361-06	LMW-44_20221107	11/11/22
22K0361-07	LMW-45_20221107	11/11/22
22K0361-08	LMW-46_20221107	11/11/22
22K0361-09	LMW-47_20221107	11/11/22
22K0361-10	LMW-40_20221107	11/11/22

22K0361-11	LMW-51_20221107	11/11/22
22K0361-12	DUP_20221107	11/11/22
BK20761-BLK1	Blank	11/11/22
BK20761-DUP1	Duplicate	11/11/22
BK20761-DUP2	Duplicate	11/11/22

Batch ID: BK20771 **Preparation Method:** Preparation for GC Analysis **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-02	FB_20221107	11/12/22
22K0361-03	LMW-41_20221107	11/12/22
22K0361-04	LMW-42_20221107	11/12/22
22K0361-05	LMW-43_20221107	11/12/22
22K0361-06	LMW-44_20221107	11/12/22
22K0361-07	LMW-45_20221107	11/12/22
22K0361-08	LMW-46_20221107	11/12/22
22K0361-09	LMW-47_20221107	11/12/22
22K0361-10	LMW-40_20221107	11/12/22
22K0361-11	LMW-51_20221107	11/12/22
22K0361-12	DUP_20221107	11/12/22
BK20771-BLK1	Blank	11/12/22
BK20771-DUP1	Duplicate	11/12/22

Batch ID: BK20954 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
22K0361-06	LMW-44_20221107	11/15/22
22K0361-07	LMW-45_20221107	11/15/22
22K0361-08	LMW-46_20221107	11/15/22
BK20954-BLK1	Blank	11/15/22
BK20954-BS1	LCS	11/15/22
BK20954-DUP1	Duplicate	11/15/22
BK20954-MS1	Matrix Spike	11/15/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Blank (BK20539-BLK1) Blank									Prepared & Analyzed: 11/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	1.2	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Blank (BK20539-BLK1) Blank								Prepared & Analyzed: 11/09/2022			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*79-122*				
LCS (BK20539-BS1) LCS								Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.7	82-126				
1,1,1-Trichloroethane	11		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		97.7	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	11		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	9.6		"	10.0		96.5	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		94.9	77-128				
1,2,4-Trichlorobenzene	9.6		"	10.0		95.8	65-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		95.9	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		96.6	45-147				
1,2-Dibromoethane	9.9		"	10.0		98.9	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		95.0	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		94.9	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		95.9	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		94.4	85-130				
1,4-Dioxane	190		"	210		89.2	10-349				
2-Butanone	9.3		"	10.0		92.8	49-152				
2-Hexanone	8.4		"	10.0		84.1	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.7	57-145				
Acetone	5.8		"	10.0		58.5	14-150				
Acrolein	10		"	10.0		102	10-153				
Acrylonitrile	11		"	10.0		115	51-150				
Benzene	11		"	10.0		110	85-126				
Bromochloromethane	11		"	10.0		109	77-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS (BK20539-BS1) LCS							Prepared & Analyzed: 11/09/2022				
Bromodichloromethane	9.8		ug/L	10.0		97.7	79-128				
Bromoform	10		"	10.0		102	78-133				
Bromomethane	5.7		"	10.0		56.9	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	11		"	10.0		106	77-141				
Chlorobenzene	10		"	10.0		105	88-120				
Chloroethane	10		"	10.0		103	65-136				
Chloroform	11		"	10.0		108	82-128				
Chloromethane	9.0		"	10.0		90.1	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		98.4	80-131				
Cyclohexane	10		"	10.0		102	63-149				
Dibromochloromethane	9.9		"	10.0		98.7	80-130				
Dibromomethane	9.8		"	10.0		98.2	72-134				
Dichlorodifluoromethane	10		"	10.0		101	44-144				
Ethyl Benzene	10		"	10.0		99.8	80-131				
Hexachlorobutadiene	9.7		"	10.0		97.0	67-146				
Isopropylbenzene	9.7		"	10.0		97.4	76-140				
Methyl acetate	10		"	10.0		99.8	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	9.2		"	10.0		92.0	72-143				
Methylene chloride	14		"	10.0		143	55-137	High Bias			
n-Butylbenzene	8.1		"	10.0		81.1	79-132				
n-Propylbenzene	9.6		"	10.0		96.4	78-133				
o-Xylene	10		"	10.0		100	78-130				
p- & m- Xylenes	20		"	20.0		100	77-133				
p-Isopropyltoluene	9.4		"	10.0		94.4	81-136				
sec-Butylbenzene	9.6		"	10.0		95.7	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162				
tert-Butylbenzene	9.6		"	10.0		95.9	77-138				
Tetrachloroethylene	6.4		"	10.0		63.8	82-131	Low Bias			
Toluene	10		"	10.0		99.5	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		96.8	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		91.9	63-141				
Trichloroethylene	9.7		"	10.0		97.2	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		105	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS Dup (BK20539-BSD1) LCS Dup								Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.7	82-126		3.05	30	
1,1,1-Trichloroethane	10		"	10.0		102	78-136		5.07	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		0.497	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165		5.32	30	
1,1,2-Trichloroethane	9.6		"	10.0		95.6	82-123		2.17	30	
1,1-Dichloroethane	10		"	10.0		102	82-129		2.81	30	
1,1-Dichloroethylene	10		"	10.0		103	68-138		5.01	30	
1,2,3-Trichlorobenzene	9.3		"	10.0		93.2	40-130		3.48	30	
1,2,3-Trichloropropane	9.4		"	10.0		94.0	77-128		0.953	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		93.9	65-137		2.00	30	
1,2,4-Trimethylbenzene	9.4		"	10.0		93.5	82-132		2.53	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147		0.415	30	
1,2-Dibromoethane	9.8		"	10.0		98.0	83-124		0.914	30	
1,2-Dichlorobenzene	9.4		"	10.0		93.8	79-123		1.27	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		1.60	30	
1,2-Dichloropropane	9.8		"	10.0		98.5	78-126		3.00	30	
1,3,5-Trimethylbenzene	9.1		"	10.0		91.3	80-131		3.87	30	
1,3-Dichlorobenzene	9.2		"	10.0		92.4	86-130		3.72	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.7	85-130		2.90	30	
1,4-Dioxane	190		"	210		90.8	10-349		1.76	30	
2-Butanone	9.1		"	10.0		91.2	49-152		1.74	30	
2-Hexanone	8.3		"	10.0		82.8	51-146		1.56	30	
4-Methyl-2-pentanone	9.7		"	10.0		97.4	57-145		0.308	30	
Acetone	5.8		"	10.0		57.7	14-150		1.38	30	
Acrolein	10		"	10.0		102	10-153		0.784	30	
Acrylonitrile	11		"	10.0		114	51-150		0.700	30	
Benzene	11		"	10.0		106	85-126		3.41	30	
Bromochloromethane	11		"	10.0		107	77-128		1.48	30	
Bromodichloromethane	9.4		"	10.0		93.9	79-128		3.97	30	
Bromoform	10		"	10.0		101	78-133		0.296	30	
Bromomethane	5.9		"	10.0		59.1	43-168		3.79	30	
Carbon disulfide	11		"	10.0		111	68-146		5.09	30	
Carbon tetrachloride	10		"	10.0		101	77-141		4.84	30	
Chlorobenzene	10		"	10.0		101	88-120		3.69	30	
Chloroethane	9.8		"	10.0		97.9	65-136		4.69	30	
Chloroform	10		"	10.0		105	82-128		3.10	30	
Chloromethane	8.6		"	10.0		85.8	43-155		4.89	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		4.23	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		95.8	80-131		2.68	30	
Cyclohexane	9.7		"	10.0		97.1	63-149		5.02	30	
Dibromochloromethane	9.7		"	10.0		96.6	80-130		2.15	30	
Dibromomethane	9.5		"	10.0		95.4	72-134		2.89	30	
Dichlorodifluoromethane	9.5		"	10.0		94.8	44-144		6.13	30	
Ethyl Benzene	9.5		"	10.0		95.2	80-131		4.72	30	
Hexachlorobutadiene	9.1		"	10.0		91.2	67-146		6.16	30	
Isopropylbenzene	9.3		"	10.0		93.4	76-140		4.19	30	
Methyl acetate	9.9		"	10.0		98.6	51-139		1.21	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		0.188	30	
Methylcyclohexane	8.7		"	10.0		86.6	72-143		6.05	30	
Methylene chloride	15		"	10.0		150	55-137	High Bias	5.25	30	
n-Butylbenzene	7.5		"	10.0		75.4	79-132	Low Bias	7.28	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
LCS Dup (BK20539-BSD1) LCS Dup								Prepared & Analyzed: 11/09/2022			
n-Propylbenzene	9.3		ug/L	10.0		92.6	78-133		4.02	30	
o-Xylene	9.7		"	10.0		97.2	78-130		3.24	30	
p- & m- Xylenes	19		"	20.0		96.2	77-133		4.18	30	
p-Isopropyltoluene	9.1		"	10.0		91.0	81-136		3.67	30	
sec-Butylbenzene	9.2		"	10.0		91.9	79-137		4.05	30	
Styrene	9.8		"	10.0		98.1	67-132		3.70	30	
tert-Butyl alcohol (TBA)	55		"	50.0		110	25-162		1.25	30	
tert-Butylbenzene	9.2		"	10.0		92.3	77-138		3.83	30	
Tetrachloroethylene	6.1		"	10.0		60.7	82-131	Low Bias	4.98	30	
Toluene	9.5		"	10.0		95.1	80-127		4.52	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		4.58	30	
trans-1,3-Dichloropropylene	9.5		"	10.0		95.0	78-131		1.88	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.5	63-141		2.65	30	
Trichloroethylene	9.3		"	10.0		93.1	82-128		4.31	30	
Trichlorofluoromethane	9.4		"	10.0		93.6	67-139		6.61	30	
Vinyl Chloride	10		"	10.0		100	58-145		4.76	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.88*		*"*	*10.0*		*98.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		*"*	*10.0*		*97.2*	*79-122*				
Matrix Spike (BK20539-MS2) Matrix Spike *Source sample: 22J1446-01 (Matrix Spike)								Prepared & Analyzed: 11/09/2022			
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	132	45-161				
1,1,1-Trichloroethane	15		"	10.0	0.0	151	70-146	High Bias			
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	132	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	137	21-217				
1,1,2-Trichloroethane	13		"	10.0	0.0	128	59-146				
1,1-Dichloroethane	14		"	10.0	0.0	143	54-146				
1,1-Dichloroethylene	15		"	10.0	0.0	154	44-165				
1,2,3-Trichlorobenzene	12		"	10.0	0.0	116	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	124	74-127				
1,2,4-Trichlorobenzene	11		"	10.0	0.0	108	41-161				
1,2,4-Trimethylbenzene	12		"	10.0	0.0	116	72-129				
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	126	31-151				
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias			
1,2-Dichlorobenzene	12		"	10.0	0.0	119	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	140	68-131	High Bias			
1,2-Dichloropropane	14		"	10.0	0.0	136	77-121	High Bias			
1,3,5-Trimethylbenzene	11		"	10.0	0.0	114	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119				
1,4-Dichlorobenzene	11		"	10.0	0.0	112	70-124				
1,4-Dioxane	250		"	210	0.0	119	10-310				
2-Butanone	12		"	10.0	0.0	119	10-193				
2-Hexanone	11		"	10.0	0.0	113	53-133				
4-Methyl-2-pentanone	13		"	10.0	0.0	130	38-150				
Acetone	8.3		"	10.0	2.2	60.2	13-149				
Acrolein	14		"	10.0	0.0	139	10-195				
Acrylonitrile	14		"	10.0	0.0	144	37-165				
Benzene	24		"	10.0	46	NR	38-155	Low Bias			
Bromochloromethane	14		"	10.0	0.0	143	75-121	High Bias			
Bromodichloromethane	13		"	10.0	0.0	129	70-129				
Bromoform	13		"	10.0	0.0	134	66-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike (BK20539-MS2) Matrix Spike	*Source sample: 22J1446-01 (Matrix Spike)							Prepared & Analyzed: 11/09/2022			
Bromomethane	7.1		ug/L	10.0	0.0	71.0	30-158				
Carbon disulfide	16		"	10.0	0.0	164	10-138	High Bias			
Carbon tetrachloride	15		"	10.0	0.0	149	71-146	High Bias			
Chlorobenzene	13		"	10.0	0.0	134	81-117	High Bias			
Chloroethane	14		"	10.0	0.0	144	51-145				
Chloroform	14		"	10.0	0.0	144	80-124	High Bias			
Chloromethane	13		"	10.0	0.0	135	16-163				
cis-1,2-Dichloroethylene	14		"	10.0	0.0	141	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	124	58-131				
Cyclohexane	15		"	10.0	4.8	104	70-130				
Dibromochloromethane	13		"	10.0	0.0	129	71-129				
Dibromomethane	13		"	10.0	0.0	129	76-120	High Bias			
Dichlorodifluoromethane	14		"	10.0	0.0	141	30-147				
Ethyl Benzene	13		"	10.0	0.0	129	72-128	High Bias			
Hexachlorobutadiene	11		"	10.0	0.0	107	34-166				
Isopropylbenzene	14		"	10.0	4.9	86.1	66-139				
Methyl acetate	15		"	10.0	0.0	153	10-200				
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	140	75-128	High Bias			
Methylcyclohexane	12		"	10.0	1.7	101	70-130				
Methylene chloride	16		"	10.0	19	NR	57-128	Low Bias			
n-Butylbenzene	9.4		"	10.0	0.0	94.0	61-138				
n-Propylbenzene	12		"	10.0	1.0	108	66-134				
o-Xylene	13		"	10.0	0.0	130	69-126	High Bias			
p- & m- Xylenes	25		"	20.0	0.0	126	67-130				
p-Isopropyltoluene	11		"	10.0	0.0	111	64-137				
sec-Butylbenzene	12		"	10.0	0.0	119	53-155				
Styrene	13		"	10.0	0.0	130	69-125	High Bias			
tert-Butyl alcohol (TBA)	72		"	50.0	0.0	144	10-130	High Bias			
tert-Butylbenzene	12		"	10.0	0.0	124	65-139				
Tetrachloroethylene	7.7		"	10.0	0.0	77.2	64-139				
Toluene	13		"	10.0	0.0	131	76-123	High Bias			
trans-1,2-Dichloroethylene	15		"	10.0	0.0	148	79-131	High Bias			
trans-1,3-Dichloropropylene	12		"	10.0	0.0	122	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	110	25-155				
Trichloroethylene	13		"	10.0	0.0	127	53-145				
Trichlorofluoromethane	14		"	10.0	0.0	141	61-142				
Vinyl Chloride	16		"	10.0	0.0	164	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.46*		*"*	*10.0*		*94.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike Dup (BK20539-! Matrix Spike Dup	*Source sample: 22J1446-01 (Matrix Spike Dup)								Prepared & Analyzed: 11/09/2022		
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	130	45-161		1.22	30	
1,1,1-Trichloroethane	15		"	10.0	0.0	149	70-146	High Bias	1.67	30	
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	130	74-121	High Bias	1.60	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	137	21-217		0.365	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	125	59-146		1.74	30	
1,1-Dichloroethane	14		"	10.0	0.0	140	54-146		1.48	30	
1,1-Dichloroethylene	15		"	10.0	0.0	152	44-165		0.981	30	
1,2,3-Trichlorobenzene	12		"	10.0	0.0	115	40-161		0.432	30	
1,2,3-Trichloropropane	12		"	10.0	0.0	125	74-127		0.643	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	111	41-161		2.01	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	117	72-129		0.771	30	
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	126	31-151		0.794	30	
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias	0.231	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	118	63-122		0.337	30	
1,2-Dichloroethane	14		"	10.0	0.0	139	68-131	High Bias	0.644	30	
1,2-Dichloropropane	13		"	10.0	0.0	134	77-121	High Bias	1.04	30	
1,3,5-Trimethylbenzene	12		"	10.0	0.0	117	69-126		2.07	30	
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119		0.615	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	113	70-124		0.978	30	
1,4-Dioxane	240		"	210	0.0	115	10-310		3.88	30	
2-Butanone	12		"	10.0	0.0	118	10-193		0.169	30	
2-Hexanone	11		"	10.0	0.0	110	53-133		2.42	30	
4-Methyl-2-pentanone	13		"	10.0	0.0	128	38-150		1.09	30	
Acetone	8.1		"	10.0	2.2	58.3	13-149		3.21	30	
Acrolein	14		"	10.0	0.0	139	10-195		0.216	30	
Acrylonitrile	14		"	10.0	0.0	142	37-165		1.26	30	
Benzene	24		"	10.0	46	NR	38-155	Low Bias	NR	30	
Bromochloromethane	14		"	10.0	0.0	140	75-121	High Bias	1.62	30	
Bromodichloromethane	13		"	10.0	0.0	127	70-129		1.09	30	
Bromoform	13		"	10.0	0.0	133	66-136		0.674	30	
Bromomethane	8.2		"	10.0	0.0	82.5	30-158		15.0	30	
Carbon disulfide	16		"	10.0	0.0	163	10-138	High Bias	0.734	30	
Carbon tetrachloride	15		"	10.0	0.0	147	71-146	High Bias	1.55	30	
Chlorobenzene	13		"	10.0	0.0	134	81-117	High Bias	0.0744	30	
Chloroethane	14		"	10.0	0.0	141	51-145		1.82	30	
Chloroform	14		"	10.0	0.0	141	80-124	High Bias	2.10	30	
Chloromethane	13		"	10.0	0.0	134	16-163		0.446	30	
cis-1,2-Dichloroethylene	14		"	10.0	0.0	138	76-125	High Bias	2.22	30	
cis-1,3-Dichloropropylene	12		"	10.0	0.0	123	58-131		1.46	30	
Cyclohexane	15		"	10.0	4.8	102	70-130		1.56	30	
Dibromochloromethane	13		"	10.0	0.0	128	71-129		0.854	30	
Dibromomethane	13		"	10.0	0.0	128	76-120	High Bias	0.779	30	
Dichlorodifluoromethane	14		"	10.0	0.0	137	30-147		3.09	30	
Ethyl Benzene	13		"	10.0	0.0	128	72-128		0.0778	30	
Hexachlorobutadiene	11		"	10.0	0.0	109	34-166		1.58	30	
Isopropylbenzene	13		"	10.0	4.9	85.2	66-139		1.05	30	
Methyl acetate	14		"	10.0	0.0	144	10-200		6.20	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	138	75-128	High Bias	1.51	30	
Methylcyclohexane	12		"	10.0	1.7	102	70-130		0.891	30	
Methylene chloride	17		"	10.0	19	NR	57-128	Low Bias	NR	30	
n-Butylbenzene	9.6		"	10.0	0.0	95.5	61-138		1.58	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20539 - EPA 5030B											
Matrix Spike Dup (BK20539-! Matrix Spike Dup	*Source sample: 22J1446-01 (Matrix Spike Dup)								Prepared & Analyzed: 11/09/2022		
n-Propylbenzene	12		ug/L	10.0	1.0	110	66-134		1.47	30	
o-Xylene	13		"	10.0	0.0	129	69-126	High Bias	0.0773	30	
p- & m- Xylenes	25		"	20.0	0.0	126	67-130		0.119	30	
p-Isopropyltoluene	11		"	10.0	0.0	113	64-137		1.52	30	
sec-Butylbenzene	12		"	10.0	0.0	120	53-155		1.00	30	
Styrene	13		"	10.0	0.0	129	69-125	High Bias	0.618	30	
tert-Butyl alcohol (TBA)	70		"	50.0	0.0	141	10-130	High Bias	2.08	30	
tert-Butylbenzene	12		"	10.0	0.0	125	65-139		0.321	30	
Tetrachloroethylene	7.8		"	10.0	0.0	78.5	64-139		1.67	30	
Toluene	13		"	10.0	0.0	130	76-123	High Bias	0.459	30	
trans-1,2-Dichloroethylene	15		"	10.0	0.0	146	79-131	High Bias	1.70	30	
trans-1,3-Dichloropropylene	12		"	10.0	0.0	121	55-130		1.15	30	
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	110	25-155		0.636	30	
Trichloroethylene	13		"	10.0	0.0	127	53-145		0.237	30	
Trichlorofluoromethane	14		"	10.0	0.0	138	61-142		1.65	30	
Vinyl Chloride	16		"	10.0	0.0	160	31-165		2.41	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
Batch BK20562 - EPA 5030B											
Blank (BK20562-BLK1) Blank									Prepared & Analyzed: 11/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20562 - EPA 5030B											
Blank (BK20562-BLK1) Blank									Prepared & Analyzed: 11/09/2022		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	1.5	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.82*		*"*	*10.0*		*98.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20562 - EPA 5030B											
LCS (BK20562-BS1) LCS							Prepared & Analyzed: 11/09/2022				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		95.8	82-126				
1,1,1-Trichloroethane	10		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.9		"	10.0		98.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		105	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		95.5	82-123				
1,1-Dichloroethane	10		"	10.0		101	82-129				
1,1-Dichloroethylene	10		"	10.0		105	68-138				
1,2,3-Trichlorobenzene	9.3		"	10.0		93.4	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		94.6	77-128				
1,2,4-Trichlorobenzene	9.1		"	10.0		91.2	65-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		91.3	82-132				
1,2-Dibromo-3-chloropropane	9.5		"	10.0		95.4	45-147				
1,2-Dibromoethane	9.7		"	10.0		97.1	83-124				
1,2-Dichlorobenzene	9.2		"	10.0		91.8	79-123				
1,2-Dichloroethane	10		"	10.0		104	73-132				
1,2-Dichloropropane	9.8		"	10.0		97.6	78-126				
1,3,5-Trimethylbenzene	9.0		"	10.0		90.4	80-131				
1,3-Dichlorobenzene	9.1		"	10.0		91.2	86-130				
1,4-Dichlorobenzene	9.0		"	10.0		90.0	85-130				
1,4-Dioxane	180		"	210		86.1	10-349				
2-Butanone	8.9		"	10.0		88.9	49-152				
2-Hexanone	8.4		"	10.0		83.6	51-146				
4-Methyl-2-pentanone	9.7		"	10.0		97.0	57-145				
Acetone	6.2		"	10.0		62.1	14-150				
Acrolein	9.9		"	10.0		99.2	10-153				
Acrylonitrile	12		"	10.0		115	51-150				
Benzene	11		"	10.0		106	85-126				
Bromochloromethane	11		"	10.0		105	77-128				
Bromodichloromethane	9.3		"	10.0		92.7	79-128				
Bromoform	9.9		"	10.0		99.0	78-133				
Bromomethane	6.5		"	10.0		64.8	43-168				
Carbon disulfide	11		"	10.0		111	68-146				
Carbon tetrachloride	10		"	10.0		103	77-141				
Chlorobenzene	10		"	10.0		100	88-120				
Chloroethane	9.8		"	10.0		97.9	65-136				
Chloroform	10		"	10.0		103	82-128				
Chloromethane	8.6		"	10.0		86.2	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	9.2		"	10.0		91.5	80-131				
Cyclohexane	10		"	10.0		101	63-149				
Dibromochloromethane	9.5		"	10.0		95.2	80-130				
Dibromomethane	9.6		"	10.0		96.4	72-134				
Dichlorodifluoromethane	9.5		"	10.0		95.0	44-144				
Ethyl Benzene	9.5		"	10.0		94.7	80-131				
Hexachlorobutadiene	9.0		"	10.0		90.0	67-146				
Isopropylbenzene	9.4		"	10.0		93.7	76-140				
Methyl acetate	9.1		"	10.0		91.2	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135				
Methylcyclohexane	8.9		"	10.0		88.9	72-143				
Methylene chloride	19		"	10.0		193	55-137	High Bias			
n-Butylbenzene	7.7		"	10.0		77.1	79-132	Low Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20562 - EPA 5030B											
LCS (BK20562-BS1) LCS							Prepared & Analyzed: 11/09/2022				
n-Propylbenzene	9.2		ug/L	10.0		91.7	78-133				
o-Xylene	9.6		"	10.0		96.0	78-130				
p- & m- Xylenes	19		"	20.0		95.2	77-133				
p-Isopropyltoluene	9.0		"	10.0		89.6	81-136				
sec-Butylbenzene	9.2		"	10.0		91.8	79-137				
Styrene	9.5		"	10.0		94.9	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		107	25-162				
tert-Butylbenzene	9.2		"	10.0		92.5	77-138				
Tetrachloroethylene	6.1		"	10.0		60.7	82-131	Low Bias			
Toluene	9.5		"	10.0		94.6	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	9.1		"	10.0		90.6	78-131				
trans-1,4-dichloro-2-butene	8.7		"	10.0		87.4	63-141				
Trichloroethylene	9.2		"	10.0		91.9	82-128				
Trichlorofluoromethane	9.7		"	10.0		97.4	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.71*		*"*	*10.0*		*97.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.47*		*"*	*10.0*		*94.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.83*		*"*	*10.0*		*98.3*	*79-122*				
LCS Dup (BK20562-BSD1) LCS Dup							Prepared & Analyzed: 11/09/2022				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		4.89	30	
1,1,1-Trichloroethane	11		"	10.0		110	78-136		6.29	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		102	76-129		2.69	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		6.38	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.4	82-123		2.99	30	
1,1-Dichloroethane	11		"	10.0		106	82-129		5.70	30	
1,1-Dichloroethylene	11		"	10.0		112	68-138		6.73	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.7	40-130		5.52	30	
1,2,3-Trichloropropane	9.5		"	10.0		94.9	77-128		0.317	30	
1,2,4-Trichlorobenzene	9.5		"	10.0		94.8	65-137		3.87	30	
1,2,4-Trimethylbenzene	9.5		"	10.0		95.3	82-132		4.29	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		95.9	45-147		0.523	30	
1,2-Dibromoethane	10		"	10.0		100	83-124		3.44	30	
1,2-Dichlorobenzene	9.6		"	10.0		96.1	79-123		4.58	30	
1,2-Dichloroethane	11		"	10.0		108	73-132		2.93	30	
1,2-Dichloropropane	10		"	10.0		103	78-126		5.38	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.1	80-131		2.94	30	
1,3-Dichlorobenzene	9.4		"	10.0		94.3	86-130		3.34	30	
1,4-Dichlorobenzene	9.4		"	10.0		93.7	85-130		4.03	30	
1,4-Dioxane	190		"	210		90.5	10-349		5.00	30	
2-Butanone	9.1		"	10.0		90.6	49-152		1.89	30	
2-Hexanone	8.6		"	10.0		85.7	51-146		2.48	30	
4-Methyl-2-pentanone	9.8		"	10.0		98.0	57-145		1.03	30	
Acetone	6.3		"	10.0		63.0	14-150		1.44	30	
Acrolein	9.9		"	10.0		99.2	10-153		0.00	30	
Acrylonitrile	12		"	10.0		116	51-150		0.605	30	
Benzene	11		"	10.0		111	85-126		4.78	30	
Bromochloromethane	11		"	10.0		109	77-128		3.64	30	
Bromodichloromethane	9.7		"	10.0		96.9	79-128		4.43	30	
Bromoform	10		"	10.0		102	78-133		2.89	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20562 - EPA 5030B											
LCS Dup (BK20562-BSD1) LCS Dup								Prepared & Analyzed: 11/09/2022			
Bromomethane	6.7		ug/L	10.0		66.9	43-168		3.19	30	
Carbon disulfide	12		"	10.0		118	68-146		6.81	30	
Carbon tetrachloride	11		"	10.0		110	77-141		5.83	30	
Chlorobenzene	11		"	10.0		105	88-120		4.96	30	
Chloroethane	10		"	10.0		104	65-136		5.95	30	
Chloroform	11		"	10.0		109	82-128		5.20	30	
Chloromethane	9.2		"	10.0		91.9	43-155		6.40	30	
cis-1,2-Dichloroethylene	11		"	10.0		105	83-129		4.87	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		94.1	80-131		2.80	30	
Cyclohexane	11		"	10.0		108	63-149		6.22	30	
Dibromochloromethane	9.9		"	10.0		98.8	80-130		3.71	30	
Dibromomethane	9.8		"	10.0		98.2	72-134		1.85	30	
Dichlorodifluoromethane	10		"	10.0		102	44-144		7.01	30	
Ethyl Benzene	10		"	10.0		100	80-131		5.44	30	
Hexachlorobutadiene	9.5		"	10.0		94.6	67-146		4.98	30	
Isopropylbenzene	9.8		"	10.0		98.1	76-140		4.59	30	
Methyl acetate	9.3		"	10.0		92.8	51-139		1.74	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		3.01	30	
Methylcyclohexane	9.5		"	10.0		95.0	72-143		6.63	30	
Methylene chloride	16		"	10.0		164	55-137	High Bias	16.5	30	
n-Butylbenzene	8.2		"	10.0		81.9	79-132		6.04	30	
n-Propylbenzene	9.6		"	10.0		95.9	78-133		4.48	30	
o-Xylene	10		"	10.0		101	78-130		4.98	30	
p- & m- Xylenes	20		"	20.0		100	77-133		4.92	30	
p-Isopropyltoluene	9.4		"	10.0		93.9	81-136		4.69	30	
sec-Butylbenzene	9.7		"	10.0		96.8	79-137		5.30	30	
Styrene	9.9		"	10.0		99.1	67-132		4.33	30	
tert-Butyl alcohol (TBA)	55		"	50.0		111	25-162		3.15	30	
tert-Butylbenzene	9.7		"	10.0		96.9	77-138		4.65	30	
Tetrachloroethylene	6.4		"	10.0		63.9	82-131	Low Bias	5.14	30	
Toluene	10		"	10.0		100	80-127		5.55	30	
trans-1,2-Dichloroethylene	11		"	10.0		110	80-132		5.58	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		93.4	78-131		3.04	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.1	63-141		5.24	30	
Trichloroethylene	9.8		"	10.0		97.8	82-128		6.22	30	
Trichlorofluoromethane	10		"	10.0		103	67-139		5.88	30	
Vinyl Chloride	11		"	10.0		109	58-145		6.45	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.81*		*"*	*10.0*		*98.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.49*		*"*	*10.0*		*94.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.74*		*"*	*10.0*		*97.4*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20624 - EPA 5030B											
Blank (BK20624-BLK1) Blank									Prepared & Analyzed: 11/10/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20624 - EPA 5030B											
Blank (BK20624-BLK1) Blank								Prepared & Analyzed: 11/10/2022			
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.49*		*"*	*10.0*		*94.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS (BK20624-BS1) LCS								Prepared & Analyzed: 11/10/2022			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	11		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	9.9		"	10.0		99.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		95.0	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		114	68-138				
1,2,3-Trichlorobenzene	9.9		"	10.0		99.1	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		95.3	77-128				
1,2,4-Trichlorobenzene	9.6		"	10.0		95.9	65-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.2	82-132				
1,2-Dibromo-3-chloropropane	9.4		"	10.0		94.1	45-147				
1,2-Dibromoethane	9.8		"	10.0		97.7	83-124				
1,2-Dichlorobenzene	9.6		"	10.0		96.1	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.8		"	10.0		98.1	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		96.5	86-130				
1,4-Dichlorobenzene	9.5		"	10.0		95.2	85-130				
1,4-Dioxane	180		"	210		85.6	10-349				
2-Butanone	9.0		"	10.0		90.4	49-152				
2-Hexanone	8.2		"	10.0		81.8	51-146				
4-Methyl-2-pentanone	9.4		"	10.0		94.5	57-145				
Acetone	5.6		"	10.0		56.2	14-150				
Acrolein	9.9		"	10.0		99.4	10-153				
Acrylonitrile	11		"	10.0		110	51-150				
Benzene	11		"	10.0		113	85-126				
Bromochloromethane	11		"	10.0		110	77-128				
Bromodichloromethane	9.7		"	10.0		97.2	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20624 - EPA 5030B											
LCS (BK20624-BS1) LCS							Prepared & Analyzed: 11/10/2022				
Bromoform	9.9		ug/L	10.0		99.0	78-133				
Bromomethane	4.9		"	10.0		48.8	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		111	77-141				
Chlorobenzene	11		"	10.0		106	88-120				
Chloroethane	10		"	10.0		104	65-136				
Chloroform	11		"	10.0		110	82-128				
Chloromethane	9.2		"	10.0		92.4	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		97.9	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	9.7		"	10.0		97.3	80-130				
Dibromomethane	9.6		"	10.0		96.2	72-134				
Dichlorodifluoromethane	9.7		"	10.0		96.9	44-144				
Ethyl Benzene	10		"	10.0		102	80-131				
Hexachlorobutadiene	10		"	10.0		100	67-146				
Isopropylbenzene	10		"	10.0		102	76-140				
Methyl acetate	9.8		"	10.0		98.5	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	9.8		"	10.0		97.9	72-143				
Methylene chloride	12		"	10.0		117	55-137				
n-Butylbenzene	8.7		"	10.0		86.6	79-132				
n-Propylbenzene	10		"	10.0		100	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	20		"	20.0		102	77-133				
p-Isopropyltoluene	9.8		"	10.0		98.5	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		105	25-162				
tert-Butylbenzene	10		"	10.0		100	77-138				
Tetrachloroethylene	6.6		"	10.0		65.5	82-131	Low Bias			
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.6		"	10.0		95.8	78-131				
trans-1,4-dichloro-2-butene	9.4		"	10.0		93.9	63-141				
Trichloroethylene	10		"	10.0		99.9	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	11		"	10.0		108	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.70*		*"*	*10.0*		*97.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.56*		*"*	*10.0*		*95.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.93*		*"*	*10.0*		*99.3*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20624 - EPA 5030B											
LCS Dup (BK20624-BSD1) LCS Dup							Prepared & Analyzed: 11/10/2022				
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.6	82-126		2.53	30	
1,1,1-Trichloroethane	11		"	10.0		106	78-136		5.25	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		1.40	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165		5.68	30	
1,1,2-Trichloroethane	9.7		"	10.0		96.8	82-123		1.88	30	
1,1-Dichloroethane	10		"	10.0		103	82-129		4.57	30	
1,1-Dichloroethylene	11		"	10.0		108	68-138		5.69	30	
1,2,3-Trichlorobenzene	9.8		"	10.0		97.7	40-130		1.42	30	
1,2,3-Trichloropropane	9.4		"	10.0		94.4	77-128		0.949	30	
1,2,4-Trichlorobenzene	9.7		"	10.0		96.7	65-137		0.831	30	
1,2,4-Trimethylbenzene	9.6		"	10.0		95.5	82-132		2.79	30	
1,2-Dibromo-3-chloropropane	9.8		"	10.0		98.3	45-147		4.37	30	
1,2-Dibromoethane	10		"	10.0		100	83-124		2.43	30	
1,2-Dichlorobenzene	9.5		"	10.0		94.8	79-123		1.36	30	
1,2-Dichloroethane	11		"	10.0		108	73-132		0.560	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		1.18	30	
1,3,5-Trimethylbenzene	9.5		"	10.0		94.9	80-131		3.32	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.7	86-130		1.88	30	
1,4-Dichlorobenzene	9.4		"	10.0		93.7	85-130		1.59	30	
1,4-Dioxane	200		"	210		93.4	10-349		8.64	30	
2-Butanone	9.1		"	10.0		91.2	49-152		0.881	30	
2-Hexanone	8.4		"	10.0		84.4	51-146		3.13	30	
4-Methyl-2-pentanone	9.9		"	10.0		98.6	57-145		4.25	30	
Acetone	5.9		"	10.0		59.1	14-150		5.03	30	
Acrolein	11		"	10.0		106	10-153		6.61	30	
Acrylonitrile	11		"	10.0		115	51-150		4.09	30	
Benzene	11		"	10.0		109	85-126		3.43	30	
Bromochloromethane	11		"	10.0		110	77-128		0.546	30	
Bromodichloromethane	9.6		"	10.0		95.7	79-128		1.56	30	
Bromoform	10		"	10.0		101	78-133		1.70	30	
Bromomethane	4.6		"	10.0		45.6	43-168		6.78	30	
Carbon disulfide	11		"	10.0		113	68-146		5.82	30	
Carbon tetrachloride	11		"	10.0		106	77-141		5.08	30	
Chlorobenzene	10		"	10.0		104	88-120		2.48	30	
Chloroethane	9.7		"	10.0		97.4	65-136		6.27	30	
Chloroform	11		"	10.0		106	82-128		3.14	30	
Chloromethane	8.4		"	10.0		84.2	43-155		9.29	30	
cis-1,2-Dichloroethylene	11		"	10.0		107	83-129		3.67	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		96.1	80-131		1.86	30	
Cyclohexane	10		"	10.0		104	63-149		3.68	30	
Dibromochloromethane	9.8		"	10.0		97.6	80-130		0.308	30	
Dibromomethane	9.7		"	10.0		97.2	72-134		1.03	30	
Dichlorodifluoromethane	9.0		"	10.0		89.8	44-144		7.61	30	
Ethyl Benzene	9.8		"	10.0		98.3	80-131		3.69	30	
Hexachlorobutadiene	9.9		"	10.0		98.8	67-146		1.31	30	
Isopropylbenzene	9.7		"	10.0		97.1	76-140		4.63	30	
Methyl acetate	10		"	10.0		100	51-139		1.91	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		0.282	30	
Methylcyclohexane	9.4		"	10.0		93.6	72-143		4.49	30	
Methylene chloride	12		"	10.0		117	55-137		0.0854	30	
n-Butylbenzene	8.6		"	10.0		85.5	79-132		1.28	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20624 - EPA 5030B											
LCS Dup (BK20624-BSD1) LCS Dup								Prepared & Analyzed: 11/10/2022			
n-Propylbenzene	9.6		ug/L	10.0		96.5	78-133		3.96	30	
o-Xylene	9.9		"	10.0		99.3	78-130		2.68	30	
p- & m- Xylenes	20		"	20.0		98.8	77-133		3.53	30	
p-Isopropyltoluene	9.6		"	10.0		96.4	81-136		2.15	30	
sec-Butylbenzene	9.8		"	10.0		98.0	79-137		3.02	30	
Styrene	10		"	10.0		100	67-132		1.78	30	
tert-Butyl alcohol (TBA)	56		"	50.0		111	25-162		5.71	30	
tert-Butylbenzene	9.7		"	10.0		96.7	77-138		3.65	30	
Tetrachloroethylene	6.3		"	10.0		63.3	82-131	Low Bias	3.42	30	
Toluene	9.7		"	10.0		97.3	80-127		4.03	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		4.97	30	
trans-1,3-Dichloropropylene	9.6		"	10.0		95.5	78-131		0.314	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		91.9	63-141		2.15	30	
Trichloroethylene	9.5		"	10.0		94.8	82-128		5.24	30	
Trichlorofluoromethane	9.7		"	10.0		97.4	67-139		5.88	30	
Vinyl Chloride	10		"	10.0		102	58-145		6.10	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.43*		*"*	*10.0*		*94.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.73*		*"*	*10.0*		*97.3*	*79-122*				
Batch BK20726 - EPA 5030B											
Blank (BK20726-BLK1) Blank								Prepared & Analyzed: 11/11/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Blank (BK20726-BLK1) Blank									Prepared & Analyzed: 11/11/2022		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.86*		*"*	*10.0*		*98.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
LCS (BK20726-BS1) LCS							Prepared & Analyzed: 11/11/2022				
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		98.1	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		96.2	82-123				
1,1-Dichloroethane	11		"	10.0		107	82-129				
1,1-Dichloroethylene	11		"	10.0		113	68-138				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.3	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		95.2	77-128				
1,2,4-Trichlorobenzene	9.5		"	10.0		95.2	65-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		95.9	82-132				
1,2-Dibromo-3-chloropropane	9.5		"	10.0		94.9	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		94.9	79-123				
1,2-Dichloroethane	11		"	10.0		108	73-132				
1,2-Dichloropropane	10		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		95.5	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		94.4	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		93.9	85-130				
1,4-Dioxane	190		"	210		88.3	10-349				
2-Butanone	9.2		"	10.0		92.2	49-152				
2-Hexanone	8.5		"	10.0		85.2	51-146				
4-Methyl-2-pentanone	9.7		"	10.0		97.1	57-145				
Acetone	6.1		"	10.0		61.0	14-150				
Acrolein	10		"	10.0		101	10-153				
Acrylonitrile	12		"	10.0		116	51-150				
Benzene	11		"	10.0		111	85-126				
Bromochloromethane	11		"	10.0		112	77-128				
Bromodichloromethane	9.6		"	10.0		96.4	79-128				
Bromoform	10		"	10.0		99.7	78-133				
Bromomethane	4.0		"	10.0		40.2	43-168	Low Bias			
Carbon disulfide	12		"	10.0		119	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	10		"	10.0		105	88-120				
Chloroethane	10		"	10.0		104	65-136				
Chloroform	11		"	10.0		110	82-128				
Chloromethane	9.3		"	10.0		92.7	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	9.7		"	10.0		96.8	80-131				
Cyclohexane	11		"	10.0		110	63-149				
Dibromochloromethane	9.6		"	10.0		96.4	80-130				
Dibromomethane	9.7		"	10.0		97.4	72-134				
Dichlorodifluoromethane	10		"	10.0		105	44-144				
Ethyl Benzene	10		"	10.0		100	80-131				
Hexachlorobutadiene	9.9		"	10.0		98.9	67-146				
Isopropylbenzene	9.8		"	10.0		97.6	76-140				
Methyl acetate	10		"	10.0		99.9	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135				
Methylcyclohexane	9.8		"	10.0		97.5	72-143				
Methylene chloride	13		"	10.0		129	55-137				
n-Butylbenzene	8.5		"	10.0		85.0	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
LCS (BK20726-BS1) LCS								Prepared & Analyzed: 11/11/2022			
n-Propylbenzene	9.8		ug/L	10.0		97.7	78-133				
o-Xylene	10		"	10.0		101	78-130				
p- & m- Xylenes	20		"	20.0		101	77-133				
p-Isopropyltoluene	9.8		"	10.0		97.6	81-136				
sec-Butylbenzene	9.9		"	10.0		99.1	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162				
tert-Butylbenzene	9.8		"	10.0		98.0	77-138				
Tetrachloroethylene	6.4		"	10.0		64.5	82-131	Low Bias			
Toluene	9.9		"	10.0		99.4	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	9.6		"	10.0		96.0	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.2	63-141				
Trichloroethylene	9.7		"	10.0		96.8	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	11		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				
LCS Dup (BK20726-BSD1) LCS Dup								Prepared & Analyzed: 11/11/2022			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.2	82-126		3.00	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		4.68	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		99.7	76-129		0.700	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165		5.78	30	
1,1,2-Trichloroethane	9.5		"	10.0		95.1	82-123		1.15	30	
1,1-Dichloroethane	10		"	10.0		103	82-129		3.80	30	
1,1-Dichloroethylene	11		"	10.0		108	68-138		5.08	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.6	40-130		4.46	30	
1,2,3-Trichloropropane	9.6		"	10.0		95.7	77-128		0.524	30	
1,2,4-Trichlorobenzene	9.5		"	10.0		95.3	65-137		0.105	30	
1,2,4-Trimethylbenzene	9.4		"	10.0		93.5	82-132		2.53	30	
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147		1.36	30	
1,2-Dibromoethane	9.8		"	10.0		97.7	83-124		1.42	30	
1,2-Dichlorobenzene	9.4		"	10.0		93.6	79-123		1.38	30	
1,2-Dichloroethane	11		"	10.0		109	73-132		0.739	30	
1,2-Dichloropropane	9.9		"	10.0		99.1	78-126		3.37	30	
1,3,5-Trimethylbenzene	9.2		"	10.0		92.2	80-131		3.52	30	
1,3-Dichlorobenzene	9.2		"	10.0		91.9	86-130		2.68	30	
1,4-Dichlorobenzene	9.1		"	10.0		91.0	85-130		3.14	30	
1,4-Dioxane	190		"	210		91.2	10-349		3.18	30	
2-Butanone	9.3		"	10.0		93.1	49-152		0.971	30	
2-Hexanone	8.6		"	10.0		85.6	51-146		0.468	30	
4-Methyl-2-pentanone	9.9		"	10.0		99.1	57-145		2.04	30	
Acetone	6.1		"	10.0		61.3	14-150		0.491	30	
Acrolein	10		"	10.0		105	10-153		3.99	30	
Acrylonitrile	12		"	10.0		118	51-150		2.13	30	
Benzene	11		"	10.0		108	85-126		3.28	30	
Bromochloromethane	11		"	10.0		113	77-128		0.887	30	
Bromodichloromethane	9.4		"	10.0		93.9	79-128		2.63	30	
Bromoform	10		"	10.0		99.9	78-133		0.200	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
LCS Dup (BK20726-BSD1) LCS Dup								Prepared & Analyzed: 11/11/2022			
Bromomethane	3.4		ug/L	10.0		34.1	43-168	Low Bias	16.4	30	
Carbon disulfide	11		"	10.0		113	68-146		5.19	30	
Carbon tetrachloride	10		"	10.0		104	77-141		6.27	30	
Chlorobenzene	9.9		"	10.0		99.3	88-120		5.39	30	
Chloroethane	10		"	10.0		100	65-136		4.02	30	
Chloroform	11		"	10.0		106	82-128		3.53	30	
Chloromethane	8.6		"	10.0		85.6	43-155		7.96	30	
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129		4.42	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		94.6	80-131		2.30	30	
Cyclohexane	10		"	10.0		104	63-149		5.14	30	
Dibromochloromethane	9.6		"	10.0		95.6	80-130		0.833	30	
Dibromomethane	9.7		"	10.0		96.9	72-134		0.515	30	
Dichlorodifluoromethane	9.9		"	10.0		99.0	44-144		5.69	30	
Ethyl Benzene	9.5		"	10.0		95.0	80-131		5.13	30	
Hexachlorobutadiene	9.7		"	10.0		97.2	67-146		1.73	30	
Isopropylbenzene	9.4		"	10.0		93.9	76-140		3.86	30	
Methyl acetate	10		"	10.0		102	51-139		1.69	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135		0.187	30	
Methylcyclohexane	9.2		"	10.0		92.1	72-143		5.70	30	
Methylene chloride	14		"	10.0		136	55-137		5.30	30	
n-Butylbenzene	8.4		"	10.0		84.2	79-132		0.946	30	
n-Propylbenzene	9.4		"	10.0		93.7	78-133		4.18	30	
o-Xylene	9.6		"	10.0		96.5	78-130		4.46	30	
p- & m- Xylenes	19		"	20.0		96.3	77-133		4.37	30	
p-Isopropyltoluene	9.5		"	10.0		94.6	81-136		3.12	30	
sec-Butylbenzene	9.6		"	10.0		96.1	79-137		3.07	30	
Styrene	9.7		"	10.0		97.1	67-132		4.73	30	
tert-Butyl alcohol (TBA)	57		"	50.0		113	25-162		0.673	30	
tert-Butylbenzene	9.5		"	10.0		94.7	77-138		3.43	30	
Tetrachloroethylene	6.1		"	10.0		60.9	82-131	Low Bias	5.74	30	
Toluene	9.5		"	10.0		94.7	80-127		4.84	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		5.23	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		93.4	78-131		2.75	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.8	63-141		2.64	30	
Trichloroethylene	9.2		"	10.0		91.6	82-128		5.52	30	
Trichlorofluoromethane	9.7		"	10.0		96.6	67-139		7.19	30	
Vinyl Chloride	10		"	10.0		105	58-145		6.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.90*		*"*	*10.0*		*99.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.43*		*"*	*10.0*		*94.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Matrix Spike (BK20726-MS1) Matrix Spike	*Source sample: 22K0306-03 (Matrix Spike)							Prepared & Analyzed: 11/11/2022			
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	122	45-161				
1,1,1-Trichloroethane	14		"	10.0	0.0	141	70-146				
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	129	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0	0.0	112	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	124	59-146				
1,1-Dichloroethane	14		"	10.0	0.77	135	54-146				
1,1-Dichloroethylene	14		"	10.0	0.0	142	44-165				
1,2,3-Trichlorobenzene	10		"	10.0	0.0	102	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	124	74-127				
1,2,4-Trichlorobenzene	9.2		"	10.0	0.0	91.9	41-161				
1,2,4-Trimethylbenzene	11		"	10.0	0.0	105	72-129				
1,2-Dibromo-3-chloropropane	12		"	10.0	0.0	123	31-151				
1,2-Dibromoethane	13		"	10.0	0.0	128	75-125	High Bias			
1,2-Dichlorobenzene	11		"	10.0	0.0	108	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	137	68-131	High Bias			
1,2-Dichloropropane	13		"	10.0	0.0	129	77-121	High Bias			
1,3,5-Trimethylbenzene	10		"	10.0	0.0	104	69-126				
1,3-Dichlorobenzene	10		"	10.0	0.0	100	74-119				
1,4-Dichlorobenzene	9.9		"	10.0	0.0	99.0	70-124				
1,4-Dioxane	250		"	210	0.0	118	10-310				
2-Butanone	14		"	10.0	1.5	126	10-193				
2-Hexanone	11		"	10.0	0.0	113	53-133				
4-Methyl-2-pentanone	13		"	10.0	0.20	132	38-150				
Acetone	18		"	10.0	0.0	182	13-149	High Bias			
Acrolein	13		"	10.0	0.0	130	10-195				
Acrylonitrile	15		"	10.0	0.0	155	37-165				
Benzene	14		"	10.0	0.0	140	38-155				
Bromochloromethane	14		"	10.0	0.0	142	75-121	High Bias			
Bromodichloromethane	12		"	10.0	0.0	120	70-129				
Bromoform	13		"	10.0	0.0	130	66-136				
Bromomethane	4.0		"	10.0	0.0	40.4	30-158				
Carbon disulfide	15		"	10.0	0.21	148	10-138	High Bias			
Carbon tetrachloride	14		"	10.0	0.0	136	71-146				
Chlorobenzene	12		"	10.0	0.0	124	81-117	High Bias			
Chloroethane	14		"	10.0	0.0	139	51-145				
Chloroform	14		"	10.0	0.0	137	80-124	High Bias			
Chloromethane	12		"	10.0	0.0	122	16-163				
cis-1,2-Dichloroethylene	13		"	10.0	0.0	133	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	115	58-131				
Cyclohexane	13		"	10.0	0.67	123	70-130				
Dibromochloromethane	12		"	10.0	0.0	123	71-129				
Dibromomethane	12		"	10.0	0.0	124	76-120	High Bias			
Dichlorodifluoromethane	11		"	10.0	0.0	111	30-147				
Ethyl Benzene	12		"	10.0	0.0	117	72-128				
Hexachlorobutadiene	9.2		"	10.0	0.0	92.5	34-166				
Isopropylbenzene	11		"	10.0	0.0	113	66-139				
Methyl acetate	12		"	10.0	0.0	125	10-200				
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	136	75-128	High Bias			
Methylcyclohexane	9.8		"	10.0	0.0	98.1	70-130				
Methylene chloride	14		"	10.0	0.22	133	57-128	High Bias			
n-Butylbenzene	8.0		"	10.0	0.0	79.8	61-138				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Matrix Spike (BK20726-MS1) Matrix Spike	*Source sample: 22K0306-03 (Matrix Spike)								Prepared & Analyzed: 11/11/2022		
n-Propylbenzene	10		ug/L	10.0	0.0	104	66-134				
o-Xylene	12		"	10.0	0.0	119	69-126				
p- & m- Xylenes	23		"	20.0	0.0	114	67-130				
p-Isopropyltoluene	10		"	10.0	0.0	99.5	64-137				
sec-Butylbenzene	11		"	10.0	0.0	108	53-155				
Styrene	12		"	10.0	0.0	116	69-125				
tert-Butyl alcohol (TBA)	75		"	50.0	0.0	151	10-130	High Bias			
tert-Butylbenzene	12		"	10.0	0.0	115	65-139				
Tetrachloroethylene	7.0		"	10.0	0.21	67.4	64-139				
Toluene	12		"	10.0	0.0	123	76-123				
trans-1,2-Dichloroethylene	14		"	10.0	0.0	138	79-131	High Bias			
trans-1,3-Dichloropropylene	11		"	10.0	0.0	114	55-130				
trans-1,4-dichloro-2-butene	9.8		"	10.0	0.0	97.6	25-155				
Trichloroethylene	12		"	10.0	0.27	116	53-145				
Trichlorofluoromethane	13		"	10.0	0.0	129	61-142				
Vinyl Chloride	15		"	10.0	0.0	150	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.96*		*"*	*10.0*		*99.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.75*		*"*	*10.0*		*97.5*	*79-122*				
Matrix Spike Dup (BK20726-! Matrix Spike Dup	*Source sample: 22K0306-03 (Matrix Spike Dup)								Prepared & Analyzed: 11/11/2022		
1,1,1,2-Tetrachloroethane	14		ug/L	10.0	0.0	138	45-161		12.1	30	
1,1,1-Trichloroethane	16		"	10.0	0.0	160	70-146	High Bias	12.4	30	
1,1,2,2-Tetrachloroethane	14		"	10.0	0.0	145	74-121	High Bias	11.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	136	21-217		18.8	30	
1,1,2-Trichloroethane	14		"	10.0	0.0	140	59-146		12.4	30	
1,1-Dichloroethane	16		"	10.0	0.77	152	54-146	High Bias	12.0	30	
1,1-Dichloroethylene	16		"	10.0	0.0	161	44-165		13.1	30	
1,2,3-Trichlorobenzene	12		"	10.0	0.0	118	40-161		14.9	30	
1,2,3-Trichloropropane	14		"	10.0	0.0	137	74-127	High Bias	10.7	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	106	41-161		14.7	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	120	72-129		13.2	30	
1,2-Dibromo-3-chloropropane	14		"	10.0	0.0	139	31-151		12.1	30	
1,2-Dibromoethane	14		"	10.0	0.0	143	75-125	High Bias	10.8	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	122	63-122		12.8	30	
1,2-Dichloroethane	15		"	10.0	0.0	153	68-131	High Bias	11.2	30	
1,2-Dichloropropane	14		"	10.0	0.0	144	77-121	High Bias	10.9	30	
1,3,5-Trimethylbenzene	12		"	10.0	0.0	120	69-126		14.4	30	
1,3-Dichlorobenzene	12		"	10.0	0.0	116	74-119		14.1	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	114	70-124		14.4	30	
1,4-Dioxane	270		"	210	0.0	130	10-310		9.35	30	
2-Butanone	15		"	10.0	1.5	136	10-193		7.49	30	
2-Hexanone	13		"	10.0	0.0	126	53-133		10.5	30	
4-Methyl-2-pentanone	15		"	10.0	0.20	146	38-150		10.4	30	
Acetone	18		"	10.0	0.0	183	13-149	High Bias	0.657	30	
Acrolein	15		"	10.0	0.0	147	10-195		12.0	30	
Acrylonitrile	17		"	10.0	0.0	170	37-165	High Bias	9.19	30	
Benzene	16		"	10.0	0.0	158	38-155	High Bias	12.6	30	
Bromochloromethane	16		"	10.0	0.0	157	75-121	High Bias	10.0	30	
Bromodichloromethane	14		"	10.0	0.0	135	70-129	High Bias	11.7	30	
Bromoform	14		"	10.0	0.0	144	66-136	High Bias	10.1	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20726 - EPA 5030B											
Matrix Spike Dup (BK20726-! Matrix Spike Dup	*Source sample: 22K0306-03 (Matrix Spike Dup)								Prepared & Analyzed: 11/11/2022		
Bromomethane	6.1		ug/L	10.0	0.0	61.4	30-158		41.3	30	Non-dir.
Carbon disulfide	17		"	10.0	0.21	168	10-138	High Bias	12.7	30	
Carbon tetrachloride	16		"	10.0	0.0	156	71-146	High Bias	13.6	30	
Chlorobenzene	14		"	10.0	0.0	140	81-117	High Bias	12.7	30	
Chloroethane	15		"	10.0	0.0	153	51-145	High Bias	9.65	30	
Chloroform	15		"	10.0	0.0	153	80-124	High Bias	10.9	30	
Chloromethane	14		"	10.0	0.0	137	16-163		11.3	30	
cis-1,2-Dichloroethylene	15		"	10.0	0.0	149	76-125	High Bias	11.3	30	
cis-1,3-Dichloropropylene	13		"	10.0	0.0	129	58-131		11.5	30	
Cyclohexane	15		"	10.0	0.67	139	70-130	High Bias	12.4	30	
Dibromochloromethane	14		"	10.0	0.0	139	71-129	High Bias	11.8	30	
Dibromomethane	14		"	10.0	0.0	138	76-120	High Bias	10.4	30	
Dichlorodifluoromethane	14		"	10.0	0.0	136	30-147		19.8	30	
Ethyl Benzene	13		"	10.0	0.0	133	72-128	High Bias	12.9	30	
Hexachlorobutadiene	10		"	10.0	0.0	105	34-166		12.7	30	
Isopropylbenzene	13		"	10.0	0.0	129	66-139		13.4	30	
Methyl acetate	14		"	10.0	0.0	139	10-200		10.8	30	
Methyl tert-butyl ether (MTBE)	15		"	10.0	0.0	152	75-128	High Bias	11.1	30	
Methylcyclohexane	11		"	10.0	0.0	112	70-130		13.4	30	
Methylene chloride	15		"	10.0	0.22	147	57-128	High Bias	10.1	30	
n-Butylbenzene	9.3		"	10.0	0.0	92.6	61-138		14.8	30	
n-Propylbenzene	12		"	10.0	0.0	120	66-134		14.2	30	
o-Xylene	14		"	10.0	0.0	135	69-126	High Bias	12.5	30	
p- & m- Xylenes	26		"	20.0	0.0	131	67-130	High Bias	13.8	30	
p-Isopropyltoluene	11		"	10.0	0.0	115	64-137		14.1	30	
sec-Butylbenzene	12		"	10.0	0.0	122	53-155		13.0	30	
Styrene	13		"	10.0	0.0	132	69-125	High Bias	13.0	30	
tert-Butyl alcohol (TBA)	83		"	50.0	0.0	166	10-130	High Bias	9.78	30	
tert-Butylbenzene	13		"	10.0	0.0	129	65-139		11.3	30	
Tetrachloroethylene	8.1		"	10.0	0.21	78.8	64-139		15.6	30	
Toluene	14		"	10.0	0.0	137	76-123	High Bias	11.1	30	
trans-1,2-Dichloroethylene	16		"	10.0	0.0	157	79-131	High Bias	12.6	30	
trans-1,3-Dichloropropylene	13		"	10.0	0.0	128	55-130		11.6	30	
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	113	25-155		14.4	30	
Trichloroethylene	13		"	10.0	0.27	132	53-145		12.7	30	
Trichlorofluoromethane	14		"	10.0	0.0	145	61-142	High Bias	11.5	30	
Vinyl Chloride	17		"	10.0	0.0	168	31-165	High Bias	11.6	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.41*		*"*	*10.0*		*94.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.70*		*"*	*10.0*		*97.0*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20771 - Preparation for GC Analysis											
Blank (BK20771-BLK1) Blank									Prepared & Analyzed: 11/12/2022		
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BK20771-DUP1) Duplicate	*Source sample: 22K0306-03 (Duplicate)								Prepared & Analyzed: 11/12/2022		
Methane	730	10	ug/L		650				11.8	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20637 - EPA 3015A												
Blank (BK20637-BLK1)	Blank								Prepared & Analyzed: 11/10/2022			
Iron		ND	0.278	mg/L								
Manganese		ND	0.00556	"								
LCS (BK20637-BS1)	LCS								Prepared & Analyzed: 11/10/2022			
Iron		1.09		ug/mL	1.00		109	80-120				
Manganese		0.552		"	0.500		110	80-120				
Duplicate (BK20637-DUP1)	Duplicate	*Source sample: 22K0306-03 (Duplicate)							Prepared & Analyzed: 11/10/2022			
Iron		5.14	0.278	mg/L		5.29				2.80	20	
Manganese		0.153	0.00556	"		0.154				0.216	20	
Matrix Spike (BK20637-MS1)	Matrix Spike	*Source sample: 22K0306-03 (Matrix Spike)							Prepared & Analyzed: 11/10/2022			
Iron		6.28	0.278	mg/L	1.11	5.29	89.5	75-125				
Manganese		0.762	0.00556	"	0.556	0.154	110	75-125				
Post Spike (BK20637-PS1)	Post Spike	*Source sample: 22K0306-03 (Post Spike)							Prepared & Analyzed: 11/10/2022			
Iron		5.79		ug/mL	1.00	4.76	103	75-125				
Manganese		0.699		"	0.500	0.138	112	75-125				
Batch BK20638 - EPA 3015A												
Blank (BK20638-BLK1)	Blank								Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved		ND	0.278	mg/L								
Manganese - Dissolved		ND	0.00556	"								
LCS (BK20638-BS1)	LCS								Prepared: 11/10/2022 Analyzed: 11/14/2022			
Iron - Dissolved		1.01		ug/mL	1.00		101	80-120				
Manganese - Dissolved		0.515		"	0.500		103	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20638 - EPA 3015A												
Duplicate (BK20638-DUP1)	Duplicate	*Source sample: 22K0306-03 (Duplicate)								Prepared: 11/10/2022 Analyzed: 11/14/2022		
Iron - Dissolved		0.334	0.278	mg/L		0.329				1.57	20	
Manganese - Dissolved		0.0765	0.00556	"		0.0773				0.920	20	
Matrix Spike (BK20638-MS1)	Matrix Spike	*Source sample: 22K0306-03 (Matrix Spike)								Prepared: 11/10/2022 Analyzed: 11/14/2022		
Iron - Dissolved		1.45	0.278	mg/L	1.11	0.329	101	75-125				
Manganese - Dissolved		0.643	0.00556	"	0.556	0.0773	102	75-125				
Post Spike (BK20638-PS1)	Post Spike	*Source sample: 22K0306-03 (Post Spike)								Prepared: 11/10/2022 Analyzed: 11/14/2022		
Iron - Dissolved		1.38		ug/mL	1.00	0.296	108	75-125				
Manganese - Dissolved		0.631		"	0.500	0.0695	112	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20592 - EPA 300											
Blank (BK20592-BLK1) Blank								Prepared & Analyzed: 11/10/2022			
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BK20592-BS1) LCS								Prepared & Analyzed: 11/10/2022			
Chloride	10.3	0.500	mg/L	10.0		103	90-110				
Nitrate as N	10.2	0.0500	"	10.0		102	90-110				
Nitrite as N	10.4	0.0500	"	10.0		104	90-110				
Sulfate	10.2	1.00	"	10.0		102	85-115				
Duplicate (BK20592-DUP1) Duplicate *Source sample: 22K0348-01 (Duplicate)								Prepared & Analyzed: 11/10/2022			
Chloride	37.5	0.500	mg/L		37.4				0.169	15	
Nitrate as N	2.92	0.0500	"		2.93				0.0444	15	
Nitrite as N	0.190	0.0500	"		0.193				1.51	15	
Sulfate	20.9	1.00	"		20.9				0.0435	15	
Matrix Spike (BK20592-MS1) Matrix Spike *Source sample: 22K0348-01 (Matrix Spike)								Prepared & Analyzed: 11/10/2022			
Chloride	42.8	0.500	mg/L	10.0	37.4	53.4	85-115	Low Bias			
Nitrate as N	13.5	0.0500	"	10.0	2.93	105	90-110				
Nitrite as N	10.6	0.0500	"	10.0	0.193	104	90-110				
Sulfate	29.6	1.00	"	10.0	20.9	86.8	85-115				
Matrix Spike (BK20592-MS2) Matrix Spike *Source sample: 22K0348-02 (Matrix Spike)								Prepared & Analyzed: 11/10/2022			
Chloride	45.4	0.500	mg/L	10.0	40.9	44.7	85-115	Low Bias			
Nitrate as N	9.83	0.0500	"	10.0	0.0180	98.1	90-110				
Nitrite as N	10.4	0.0500	"	10.0	ND	104	90-110				
Sulfate	28.0	1.00	"	10.0	19.1	89.2	85-115				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20594 - EPA 300											
Blank (BK20594-BLK1) Blank									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BK20594-BS1) LCS									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Chloride	10.4	0.500	mg/L	10.0		104	90-110				
Nitrate as N	10.3	0.0500	"	10.0		103	90-110				
Nitrite as N	10.5	0.0500	"	10.0		105	90-110				
Sulfate	10.4	1.00	"	10.0		104	85-115				
Duplicate (BK20594-DUP1) Duplicate *Source sample: 22K0361-05 (LMW-43_20221107)									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Chloride	51.3	0.500	mg/L		51.3				0.0874	15	
Nitrate as N	0.0130	0.0500	"		ND					15	
Nitrite as N	ND	0.0500	"		ND					15	
Sulfate	74.0	1.00	"		74.0				0.0284	15	
Duplicate (BK20594-DUP2) Duplicate *Source sample: 22K0306-03 (Duplicate)									Prepared: 11/09/2022 Analyzed: 11/14/2022		
Chloride	182	5.00	mg/L		259				35.1	15	Non-dir.
Nitrate as N	ND	0.500	"		ND					15	
Nitrite as N	ND	0.500	"		ND					15	
Sulfate	114	10.0	"		117				2.41	15	
Matrix Spike (BK20594-MS1) Matrix Spike *Source sample: 22K0361-05 (LMW-43_20221107)									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Chloride	51.6	0.500	mg/L	10.0	51.3	2.73	85-115	Low Bias			
Nitrate as N	10.0	0.0500	"	10.0	ND	100	90-110				
Nitrite as N	10.5	0.0500	"	10.0	ND	105	90-110				
Sulfate	75.5	1.00	"	10.0	74.0	14.7	85-115	Low Bias			

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20594 - EPA 300											
Matrix Spike (BK20594-MS2) Matrix Spike	*Source sample: 22K0306-03 (Matrix Spike)								Prepared: 11/09/2022 Analyzed: 11/14/2022		
Chloride	26.4	5.00	mg/L	10.0	259	NR	85-115	Low Bias			
Nitrate as N	9.81	0.0500	"	10.0	ND	98.1	90-110				
Nitrite as N	10.1	0.0500	"	10.0	ND	101	90-110				
Sulfate	20.4	1.00	"	10.0	117	NR	85-115	Low Bias			
Batch BK20954 - EPA 300											
Blank (BK20954-BLK1) Blank									Prepared & Analyzed: 11/15/2022		
Chloride	ND	0.500	mg/L								
LCS (BK20954-BS1) LCS									Prepared & Analyzed: 11/15/2022		
Chloride	9.52	0.500	mg/L	10.0		95.2	90-110				
Duplicate (BK20954-DUP1) Duplicate	*Source sample: 22K0273-01 (Duplicate)								Prepared: 11/15/2022 Analyzed: 11/16/2022		
Chloride	255	50.0	mg/L		249				2.10	15	
Matrix Spike (BK20954-MS1) Matrix Spike	*Source sample: 22K0273-01 (Matrix Spike)								Prepared: 11/15/2022 Analyzed: 11/16/2022		
Chloride	ND	0.500	mg/L	10.0	249	NR	85-115	Low Bias			

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20549 - Analysis Preparation												
Blank (BK20549-BLK1)	Blank									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Total Organic Carbon (TOC)		ND	1.00	mg/L								
Duplicate (BK20549-DUP1)	Duplicate	*Source sample: 22K0306-03 (Duplicate)								Prepared: 11/09/2022 Analyzed: 11/10/2022		
Total Organic Carbon (TOC)		28.1	1.00	mg/L		27.6				1.87	15	
Matrix Spike (BK20549-MS1)	Matrix Spike	*Source sample: 22K0306-03 (Matrix Spike)								Prepared: 11/09/2022 Analyzed: 11/10/2022		
Total Organic Carbon (TOC)		36.7	1.00	mg/L	20.0	27.6	45.7	85-115	Low Bias			
Reference (BK20549-SRM1)	Reference									Prepared: 11/09/2022 Analyzed: 11/10/2022		
Total Organic Carbon (TOC)		78.8		mg/L	79.2		99.4	83.96-115				
Batch BK20552 - Analysis Preparation												
Blank (BK20552-BLK1)	Blank									Prepared & Analyzed: 11/09/2022		
Sulfide		ND	1.0	mg/L								
LCS (BK20552-BS1)	LCS									Prepared & Analyzed: 11/09/2022		
Sulfide		44	1.0	mg/L	50.0		88.0	80-120				
Duplicate (BK20552-DUP1)	Duplicate	*Source sample: 22K0306-03 (Duplicate)								Prepared & Analyzed: 11/09/2022		
Sulfide		2.2	1.0	mg/L		2.2				0.00	15	
Batch BK20693 - Analysis Preparation												
Duplicate (BK20693-DUP1)	Duplicate	*Source sample: 22K0497-01 (Duplicate)								Prepared & Analyzed: 11/11/2022		
Alkalinity, total		160	2.0	mg/L		160				2.53	15	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20693 - Analysis Preparation											
Reference (BK20693-SRM1) Reference									Prepared & Analyzed: 11/11/2022		
Alkalinity, total	80		mg/L	80.7		99.1	90-110				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20685 - % Solids Prep												
Blank (BK20685-BLK1)	Blank									Prepared & Analyzed: 11/10/2022		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BK20685-DUP1)	Duplicate	*Source sample: 22J1441-01 (Duplicate)								Prepared & Analyzed: 11/10/2022		
Total Dissolved Solids		500	10.0	mg/L		506				1.19	15	
Duplicate (BK20685-DUP2)	Duplicate	*Source sample: 22K0361-02 (FB_20221107)								Prepared & Analyzed: 11/10/2022		
Total Dissolved Solids		13.0	10.0	mg/L		12.0				8.00	15	
Batch BK20761 - % Solids Prep												
Blank (BK20761-BLK1)	Blank									Prepared & Analyzed: 11/11/2022		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BK20761-DUP1)	Duplicate	*Source sample: 22K0361-03 (LMW-41_20221107)								Prepared & Analyzed: 11/11/2022		
Total Dissolved Solids		982	10.0	mg/L		991				0.912	15	
Duplicate (BK20761-DUP2)	Duplicate	*Source sample: 22K0430-03 (Duplicate)								Prepared & Analyzed: 11/11/2022		
Total Dissolved Solids		395	10.0	mg/L		389				1.53	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22K0361-01	TB_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-02	FB_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-03	LMW-41_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-04	LMW-42_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-05	LMW-43_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-06	LMW-44_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-07	LMW-45_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-08	LMW-46_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-09	LMW-47_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-10	LMW-40_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-11	LMW-51_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22K0361-12	DUP_20221107	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-11	The spike recovery or RPD may not be available or within QC limits because of sample dilution due to high analyte concentration and/or matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
CONT-02	Alkalinity was performed on a sample from a container with head space.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22KC5C1

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN	Company:	Company:	100766601	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 23-30 Borden Ave	RUSH - Two Day
Phone.: 973-560-4900	Phone.:	Phone.:		RUSH - Three Day
Contact: Aroona Boodram	Contact:	Contact:		RUSH - Four Day
E-mail: aboodram@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X
				(7-10 for PFAS)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; CT RCP; EQuIS (Standard); QA Report; CT RCP DQA/DUE; NYSDEC EQuIS; Standard Excel EDD; NJDEP Reduced Deliverables; NJDKQP; NY ASP B Package; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
TB-20221107	AQ	11/7/22 0640	VOCs	2x vials	
FB_20221107	GW	11/7/22 0700	VOCs, total+dissolved iron, total+dissolved manganese, nitrate, nitrite, sulfate, sulfide, chloride, methane, ethane, ethene, TOC, TDS, alkalinity	8x vials	
LMW-41_20221107		1315		4x 250mL plastic	
LMW-42_20221107		1200			
LMW-43_20221107		1159			
LMW-44_20221107		1001			
LMW-45_20221107		1401			
LMW-46_20221107		1130			
LMW-47_20221107		1430			
LMW-40_20221107		0950			

Comments: all samples may contain EVO+ ZVI.
5-DAY FIRM TAT!

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ✓ ZnAc ✓ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ✓

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
LANGAN	11/7/22 1545	Mark M York Fedex	11/7/22 1543	Mark M York Fedex	11/7/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
MARK YORK	11/7/22 19:05	MARK YORK	11/7/22 2011		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					11/7/22 2011 4.1 Degrees C

YORK Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22KC561

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN	Company:	Company:	100766601	RUSH - Next Day
Address: 300 Kimball Dr Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 23-30 Borden Ave	RUSH - Two Day
Phone.: 973-560-4900	Phone.:	Phone.:		RUSH - Three Day
Contact: Aroona Boodram	Contact:	Contact:		RUSH - Four Day
E-mail: aboodram@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X
				(7-10 for PFAS)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; CT RCP; EQuIS (Standard); QA Report; CT RCP DQA/DUE; NYSDEC EQuIS; Standard Excel EDD; NJDEP Reduced Deliverables; NJDKQP; NY ASP B Package; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LMW-51_20221107	GW	11/7/22 0920	VOCs, total+dissolved iron, total+dissolved manganese, nitrate, nitrite, sulfate, sulfide, chloride, methane, ethane, ethene, TOC, TDS, alkalinity	8 x vials	
DUP_20221107	GW	↓ 0925		4 x 250ml plastic	

Comments: all samples may contain EVO + ZVI.
5-DAY FIRM TAT!

Samples Iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ✓ ZnAc ✓ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ✓

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LANGAN	11/7/22	Mark N York Parks	11/7/22 1545	Mark N York Parks	11/7/22
Samples Received by / Company	**Date/Time**	**3. Samples Relinquished by / Company**	**Date/Time**	**3. Samples Received by / Company**	**Date/Time**
MARK YORK	11/7/22 19:05	MARK YORK	11/7/22 2016		
Samples Relinquished by / Company	**Date/Time**	**4. Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time / Temperature**
					11/7/22 2016 4.1 Degrees C

10515 Research Drive
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

Client: Aroona Boodram
Langan Engineering & Environmental Services
1300 Wilson Boulevard
Suite 450
Arlington, VA 22209

Phone:

Fax:

Identifier: 024TK **Date Rec:** 11/07/2022 **Report Date:** 11/16/2022

Client Project #: 100766601 **Client Project Name:** 23-30 Borden Avenue

Purchase Order #:

Test results provided for: CENSUS

Reviewed By:

Charles Slater

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

Results relate only to the items tested and the sample(s) as received by the laboratory.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Avenue

MI Project Number: **024TK**
Date Received: 11/07/2022

Sample Information

Client Sample ID:		**LMW-48_20221104**	**LMW-49_20221104**	**LMW-50_20221104**	**LMW-40_20221107**	**LMW-41_20221107**
Sample Date:		11/04/2022	11/04/2022	11/04/2022	11/07/2022	11/07/2022
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		BB/CS	BB/CS	BB/CS	BB/CS	BB/CS
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**1.86E+03**	**2.72E+02**	**2.05E+02**	**2.09E+04**	**1.10E+02**
Phylogenetic Group						
Total Eubacteria	EBAC	**2.87E+06**	**1.71E+07**	**1.80E+07**	**9.11E+06**	**3.00E+06**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Avenue

MI Project Number: **024TK**
Date Received: 11/07/2022

Sample Information

Client Sample ID:		**LMW-42_20221107**	**LMW-43_20221107**	**LMW-44_20221107**	**LMW-45_20221107**	**LMW-46_20221107**
Sample Date:		11/07/2022	11/07/2022	11/07/2022	11/07/2022	11/07/2022
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		BB/CS	BB/CS	BB/CS	BB/CS	BB/CS
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**5.49E+01**	**2.62E+02**	**1.05E+02**	**7.59E+01**	**1.48E+02**
Phylogenetic Group						
Total Eubacteria	EBAC	**5.26E+06**	**1.21E+07**	**7.51E+06**	**1.22E+07**	**1.39E+07**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Avenue

MI Project Number: **024TK**
Date Received: 11/07/2022

Sample Information

Client Sample ID:		**LMW-47_20221107**	**LMW-51_20221107**
Sample Date:		11/07/2022	11/07/2022
Units:		cells/mL	cells/mL
Analyst/Reviewer:		BB/CS	BB/CS
Dechlorinating Bacteria			
Dehalococcoides	*DHC*	**6.24E+01**	**6.70E+00**
Phylogenetic Group			
Total Eubacteria	EBAC	**1.74E+06**	**1.09E+08**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Quality Assurance/Quality Control Data

Samples Received **11/7/2022**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	11/07/2022	11/16/2022	10 °C	113%	non-detect	non-detect
EBAC	11/07/2022	11/16/2022	10 °C	108%	non-detect	non-detect

Samples Received **11/8/2022**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	11/08/2022	11/16/2022	0 °C	113%	non-detect	non-detect
EBAC	11/08/2022	11/16/2022	0 °C	108%	non-detect	non-detect

microbialinsights
10515 Research Drive
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

Client:	Aroona Boodram Langan Engineering & Environmental Services 1300 Wilson Boulevard Suite 450 Arlington, VA 22209	**Phone:** **Fax:**	

Identifier: 113TJ **Date Rec:** 10/28/2022 **Report Date:** 11/03/2022

Client Project #: 100766601 **Client Project Name:** 23-30 BORDEN AVENUE

Purchase Order #:

Test results provided for: CENSUS

Reviewed By:

Charles Slater

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Results relate only to the items tested and the sample(s) as received by the laboratory.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 BORDEN AVENUE

MI Project Number: **113TJ**
Date Received: 10/28/2022

Sample Information

Client Sample ID:		**LMW-35_20221027**	**LMW-36_20221027**	**LMW-37_20221027**	**LMW-38_20221027**	**LMW-39_20221027**
Sample Date:		10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		BB/CS	BB/CS	BB/CS	BB/CS	BB/CS
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**3.76E+02**	**4.74E+04**	**6.26E+04**	**7.04E+03**	**2.30E+04**
Phylogenetic Group						
Total Eubacteria	EBAC	**1.32E+07**	**9.09E+06**	**7.23E+07**	**6.43E+06**	**7.40E+06**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Quality Assurance/Quality Control Data

Samples Received **10/28/2022**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	10/28/2022	11/03/2022	0 °C	104%	non-detect	non-detect
EBAC	10/28/2022	11/03/2022	0 °C	112%	non-detect	non-detect

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 02/10/2023
Client Project ID: 100766601
York Project (SDG) No.: 23A1409

Report Date: 02/10/2023
Client Project ID: 100766601
York Project (SDG) No.: 23A1409

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 30, 2023 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

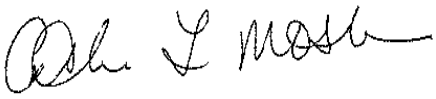
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23A1409-02	LMW-43_20230130	Water	01/30/2023	01/30/2023
23A1409-03	LMW-44_20230130	Water	01/30/2023	01/30/2023
23A1409-04	LMW-45_20230130	Water	01/30/2023	01/30/2023
23A1409-05	LMW-46_20230130	Water	01/30/2023	01/30/2023
23A1409-06	LMW-47_20230130	Water	01/30/2023	01/30/2023
23A1409-07	TB_20230130	Water	01/27/2023	01/30/2023

General Notes for York Project (SDG) No.: 23A1409

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 02/10/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **LMW-43_20230130** **York Sample ID:** **23A1409-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:30 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-43_20230130 **York Sample ID:** 23A1409-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:30 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	**4-Methyl-2-pentanone**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**3.8**		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-43_20230130 **York Sample ID:** 23A1409-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:30 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-43_20230130 **York Sample ID:** 23A1409-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:30 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:11	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**230**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 13:25	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 13:25	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 13:25	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**48.7**		mg/L	0.278	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:29	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**19.7**		mg/L	0.278	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:34	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.55**		mg/L	0.00556	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:29	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-43_20230130 **York Sample ID:** 23A1409-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:30 am	01/30/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.26**		mg/L	0.00556	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:34	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**231**		mg/L	0.690	5.00	10	EPA 300.0	02/01/2023 02:47	02/01/2023 02:47	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	01/30/2023 23:28	01/30/2023 23:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	01/30/2023 23:28	01/30/2023 23:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**228**		mg/L	10.0	10	EPA 300.0	02/01/2023 02:47	02/01/2023 02:47	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**400**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.1**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-43_20230130 **York Sample ID:** 23A1409-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:30 am	01/30/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**16.8**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1320**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-44_20230130** **York Sample ID:** **23A1409-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 11:25 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**4.2**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-44_20230130 **York Sample ID:** 23A1409-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 11:25 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**1.1**	J	ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-44_20230130 **York Sample ID:** 23A1409-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 11:25 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	**Tetrachloroethylene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-44_20230130 **York Sample ID:** 23A1409-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 11:25 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 09:00	02/09/2023 17:40	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**6200**		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 13:53	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 13:53	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 13:53	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**30.2**		mg/L	0.278	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:32	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**24.4**		mg/L	0.278	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:37	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**2.02**		mg/L	0.00556	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:32	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-44_20230130 **York Sample ID:** 23A1409-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 11:25 am	01/30/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**2.07**		mg/L	0.00556	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:37	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**366**		mg/L	0.690	5.00	10	EPA 300.0	02/01/2023 02:57	02/01/2023 02:57	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	01/31/2023 00:07	01/31/2023 00:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	01/31/2023 00:07	01/31/2023 00:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**20.0**		mg/L	1.00	1	EPA 300.0	01/31/2023 00:07	01/31/2023 00:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**400**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.8**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-44_20230130 **York Sample ID:** 23A1409-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 11:25 am	01/30/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**6.21**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1250**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-45_20230130** **York Sample ID:** **23A1409-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:54 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-45_20230130 **York Sample ID:** 23A1409-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:54 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-45_20230130 **York Sample ID:** 23A1409-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:54 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-45_20230130 **York Sample ID:** 23A1409-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:54 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:32	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 14:11	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 14:11	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 14:11	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**6.50**		mg/L	0.278	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:34	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**5.77**		mg/L	0.278	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:39	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.976**		mg/L	0.00556	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:34	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-45_20230130 **York Sample ID:** 23A1409-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:54 am	01/30/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.904**		mg/L	0.00556	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:39	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**282**		mg/L	0.690	5.00	10	EPA 300.0	02/01/2023 03:27	02/01/2023 03:27	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	01/30/2023 23:37	01/30/2023 23:37	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	01/30/2023 23:37	01/30/2023 23:37	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**64.8**		mg/L	10.0	10	EPA 300.0	02/01/2023 03:27	02/01/2023 03:27	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**290**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.8**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-45_20230130 **York Sample ID:** 23A1409-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 9:54 am	01/30/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**7.24**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**989**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-46_20230130 **York Sample ID:** 23A1409-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 12:05 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-46_20230130 **York Sample ID:** 23A1409-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 12:05 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-46_20230130 **York Sample ID:** 23A1409-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 12:05 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-46_20230130 **York Sample ID:** 23A1409-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 12:05 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/08/2023 09:00	02/08/2023 16:58	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**27000**		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 14:28	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 14:28	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 14:28	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**22.1**		mg/L	0.278	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:37	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**21.8**		mg/L	0.278	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:42	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.68**		mg/L	0.00556	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:37	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-46_20230130 **York Sample ID:** 23A1409-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 12:05 pm	01/30/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.72**		mg/L	0.00556	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:42	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**429**		mg/L	6.90	50.0	100	EPA 300.0	02/03/2023 17:45	02/03/2023 17:45	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	01/31/2023 00:17	01/31/2023 00:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	01/31/2023 00:17	01/31/2023 00:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**2.54**		mg/L	1.00	1	EPA 300.0	01/31/2023 00:17	01/31/2023 00:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**400**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-46_20230130 **York Sample ID:** 23A1409-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 12:05 pm	01/30/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5.82**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1300**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-47_20230130 **York Sample ID:** 23A1409-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 2:11 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-47_20230130 **York Sample ID:** 23A1409-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 2:11 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	**Chloroethane**	**0.45**	J	ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-47_20230130 **York Sample ID:** 23A1409-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 2:11 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-47_20230130 **York Sample ID:** 23A1409-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 2:11 pm	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/08/2023 09:00	02/08/2023 17:25	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**36**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:37	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:37	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:37	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**29.4**		mg/L	0.278	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:40	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**28.4**		mg/L	0.278	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:44	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.25**		mg/L	0.00556	1	EPA 6010D	01/31/2023 07:49	02/03/2023 14:40	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-47_20230130 **York Sample ID:** 23A1409-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 2:11 pm	01/30/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.29**		mg/L	0.00556	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:44	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**374**		mg/L	6.90	50.0	100	EPA 300.0	02/03/2023 17:55	02/03/2023 17:55	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	01/31/2023 00:27	01/31/2023 00:27	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	01/31/2023 00:27	01/31/2023 00:27	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	01/31/2023 00:27	01/31/2023 00:27	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**410**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.4**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-47_20230130 **York Sample ID:** 23A1409-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 30, 2023 2:11 pm	01/30/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5.16**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1090**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20230130 **York Sample ID:** 23A1409-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 27, 2023 12:00 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20230130 **York Sample ID:** 23A1409-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 27, 2023 12:00 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20230130 **York Sample ID:** 23A1409-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 27, 2023 12:00 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20230130 **York Sample ID:** 23A1409-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1409	100766601	Water	January 27, 2023 12:00 am	01/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/08/2023 09:00	02/08/2023 18:19	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.0 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Analytical Batch Summary

Batch ID: BA31616 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	01/31/23
23A1409-03	LMW-44_20230130	01/31/23
23A1409-04	LMW-45_20230130	01/31/23
23A1409-05	LMW-46_20230130	01/31/23
23A1409-06	LMW-47_20230130	01/31/23
BA31616-BLK1	Blank	01/31/23
BA31616-BS1	LCS	01/31/23
BA31616-DUP1	Duplicate	01/31/23
BA31616-MS1	Matrix Spike	01/31/23
BA31616-PS1	Post Spike	01/31/23

Batch ID: BA31668 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	01/30/23
23A1409-03	LMW-44_20230130	01/31/23
23A1409-04	LMW-45_20230130	01/30/23
23A1409-05	LMW-46_20230130	01/31/23
23A1409-06	LMW-47_20230130	01/31/23
BA31668-BLK1	Blank	01/30/23
BA31668-BS1	LCS	01/30/23
BA31668-DUP1	Duplicate	01/30/23
BA31668-MS1	Matrix Spike	01/30/23

Batch ID: BB30021 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/01/23
23A1409-03	LMW-44_20230130	02/01/23
23A1409-04	LMW-45_20230130	02/01/23
23A1409-05	LMW-46_20230130	02/01/23
23A1409-06	LMW-47_20230130	02/01/23
BB30021-BLK1	Blank	02/01/23
BB30021-BS1	LCS	02/01/23
BB30021-DUP1	Duplicate	02/01/23
BB30021-MS1	Matrix Spike	02/01/23
BB30021-PS1	Post Spike	02/01/23

Batch ID: BB30033 **Preparation Method:** Analysis Preparation **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/01/23
23A1409-03	LMW-44_20230130	02/01/23
23A1409-04	LMW-45_20230130	02/01/23

23A1409-05	LMW-46_20230130	02/01/23
23A1409-06	LMW-47_20230130	02/01/23
BB30033-BLK1	Blank	02/01/23
BB30033-DUP1	Duplicate	02/01/23
BB30033-MS1	Matrix Spike	02/01/23
BB30033-SRM1	Reference	02/01/23

Batch ID: BB30062 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/01/23
23A1409-03	LMW-44_20230130	02/01/23
23A1409-04	LMW-45_20230130	02/01/23
BB30062-BLK1	Blank	02/01/23
BB30062-BS1	LCS	02/01/23

Batch ID: BB30078 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/01/23
23A1409-03	LMW-44_20230130	02/01/23
23A1409-04	LMW-45_20230130	02/01/23
23A1409-05	LMW-46_20230130	02/01/23
23A1409-06	LMW-47_20230130	02/01/23
BB30078-BLK1	Blank	02/01/23
BB30078-DUP1	Duplicate	02/01/23
BB30078-DUP2	Duplicate	02/01/23

Batch ID: BB30107 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/02/23
23A1409-03	LMW-44_20230130	02/02/23
23A1409-04	LMW-45_20230130	02/02/23
23A1409-05	LMW-46_20230130	02/02/23
23A1409-06	LMW-47_20230130	02/02/23
BB30107-DUP1	Duplicate	02/02/23
BB30107-SRM1	Reference	02/02/23

Batch ID: BB30241 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/04/23
23A1409-03	LMW-44_20230130	02/04/23
23A1409-04	LMW-45_20230130	02/04/23
23A1409-05	LMW-46_20230130	02/04/23
23A1409-06	LMW-47_20230130	02/04/23
BB30241-BLK1	Blank	02/04/23
BB30241-DUP1	Duplicate	02/04/23

Batch ID: BB30257 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/06/23
23A1409-03	LMW-44_20230130	02/06/23
23A1409-04	LMW-45_20230130	02/06/23
23A1409-05	LMW-46_20230130	02/06/23
23A1409-06	LMW-47_20230130	02/06/23
BB30257-BLK1	Blank	02/06/23
BB30257-BS1	LCS	02/06/23
BB30257-DUP1	Duplicate	02/06/23

Batch ID: BB30308 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-05	LMW-46_20230130	02/03/23
23A1409-06	LMW-47_20230130	02/03/23
BB30308-BLK1	Blank	02/03/23
BB30308-BS1	LCS	02/03/23
BB30308-DUP1	Duplicate	02/03/23
BB30308-DUP2	Duplicate	02/03/23
BB30308-MS1	Matrix Spike	02/03/23
BB30308-MS2	Matrix Spike	02/03/23

Batch ID: BB30458 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-04	LMW-45_20230130	02/08/23
23A1409-05	LMW-46_20230130	02/08/23
23A1409-06	LMW-47_20230130	02/08/23
23A1409-07	TB_20230130	02/08/23
BB30458-BLK1	Blank	02/08/23
BB30458-BS1	LCS	02/08/23
BB30458-BSD1	LCS Dup	02/08/23

Batch ID: BB30528 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23A1409-02	LMW-43_20230130	02/09/23
23A1409-03	LMW-44_20230130	02/09/23
BB30528-BLK1	Blank	02/09/23
BB30528-BS1	LCS	02/09/23
BB30528-BSD1	LCS Dup	02/09/23
BB30528-MS1	Matrix Spike	02/09/23
BB30528-MSD1	Matrix Spike Dup	02/09/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
Blank (BB30458-BLK1) Blank									Prepared & Analyzed: 02/08/2023		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
Blank (BB30458-BLK1) Blank								Prepared & Analyzed: 02/08/2023			
n-Butylbenzene	ND	5.0	ug/L								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*9.62*		*"*	*10.0*		*96.2*	*76-130*				
LCS (BB30458-BS1) LCS								Prepared & Analyzed: 02/08/2023			
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		95.7	75-129				
1,1,1-Trichloroethane	10		"	10.0		102	71-137				
1,1,2,2-Tetrachloroethane	9.2		"	10.0		92.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	58-146				
1,1,2-Trichloroethane	8.8		"	10.0		88.5	83-123				
1,1-Dichloroethane	9.7		"	10.0		97.3	75-130				
1,1-Dichloroethylene	11		"	10.0		109	64-137				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.0	81-140				
1,2,3-Trichloropropane	8.8		"	10.0		87.7	81-126				
1,2,4-Trichlorobenzene	9.4		"	10.0		94.4	80-141				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.5	84-125				
1,2-Dibromo-3-chloropropane	11		"	10.0		106	74-142				
1,2-Dibromoethane	9.2		"	10.0		91.6	86-123				
1,2-Dichlorobenzene	9.7		"	10.0		97.2	85-122				
1,2-Dichloroethane	9.7		"	10.0		97.0	71-133				
1,2-Dichloropropane	10		"	10.0		101	81-122				
1,3,5-Trimethylbenzene	9.9		"	10.0		98.9	82-126				
1,3-Dichlorobenzene	9.8		"	10.0		97.6	84-124				
1,4-Dichlorobenzene	9.6		"	10.0		95.5	84-124				
1,4-Dioxane	170		"	210		79.3	10-228				
2-Butanone	8.2		"	10.0		81.8	58-147				
2-Hexanone	6.8		"	10.0		67.7	70-139	Low Bias			
4-Methyl-2-pentanone	6.0		"	10.0		59.8	72-132	Low Bias			
Acetone	4.0		"	10.0		39.8	36-155				
Acrolein	11		"	10.0		110	10-238				
Acrylonitrile	8.5		"	10.0		84.8	66-141				
Benzene	10		"	10.0		102	77-127				
Bromochloromethane	9.6		"	10.0		96.2	74-129				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
LCS (BB30458-BS1) LCS							Prepared & Analyzed: 02/08/2023				
Bromodichloromethane	9.4		ug/L	10.0		93.6	81-124				
Bromoform	8.6		"	10.0		85.6	80-136				
Bromomethane	12		"	10.0		120	32-177				
Carbon disulfide	11		"	10.0		110	10-136				
Carbon tetrachloride	10		"	10.0		104	66-143				
Chlorobenzene	10		"	10.0		104	86-120				
Chloroethane	11		"	10.0		110	51-142				
Chloroform	10		"	10.0		99.9	76-131				
Chloromethane	13		"	10.0		134	49-132	High Bias			
cis-1,2-Dichloroethylene	10		"	10.0		100	74-132				
cis-1,3-Dichloropropylene	9.5		"	10.0		94.7	81-129				
Cyclohexane	10		"	10.0		103	70-130				
Dibromochloromethane	9.0		"	10.0		90.4	10-200				
Dibromomethane	9.1		"	10.0		90.8	83-124				
Dichlorodifluoromethane	13		"	10.0		129	28-158				
Ethyl Benzene	10		"	10.0		100	84-125				
Hexachlorobutadiene	10		"	10.0		105	83-133				
Isopropylbenzene	10		"	10.0		103	81-127				
Methyl acetate	8.3		"	10.0		83.0	41-143				
Methyl tert-butyl ether (MTBE)	8.6		"	10.0		86.4	74-131				
Methylcyclohexane	9.8		"	10.0		98.2	70-130				
Methylene chloride	9.8		"	10.0		98.0	57-141				
n-Butylbenzene	10		"	10.0		100	80-130				
n-Propylbenzene	10		"	10.0		102	74-136				
o-Xylene	10		"	10.0		99.8	83-123				
p- & m- Xylenes	20		"	20.0		100	82-128				
p-Isopropyltoluene	10		"	10.0		101	85-125				
sec-Butylbenzene	10		"	10.0		102	83-125				
Styrene	10		"	10.0		101	86-126				
tert-Butyl alcohol (TBA)	47		"	50.0		93.9	70-130				
tert-Butylbenzene	9.5		"	10.0		95.4	80-127				
Tetrachloroethylene	7.1		"	10.0		71.3	80-129	Low Bias			
Toluene	10		"	10.0		101	85-121				
trans-1,2-Dichloroethylene	10		"	10.0		104	72-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		90.2	78-132				
trans-1,4-dichloro-2-butene	7.1		"	10.0		71.3	75-135	Low Bias			
Trichloroethylene	10		"	10.0		101	84-123				
Trichlorofluoromethane	11		"	10.0		108	62-140				
Vinyl Chloride	12		"	10.0		120	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.59*		*"*	*10.0*		*95.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
LCS Dup (BB30458-BSD1) LCS Dup							Prepared & Analyzed: 02/08/2023				
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.2	75-129		2.65	30	
1,1,1-Trichloroethane	10		"	10.0		101	71-137		1.58	30	
1,1,2,2-Tetrachloroethane	9.7		"	10.0		96.6	79-129		4.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	58-146		5.01	30	
1,1,2-Trichloroethane	9.2		"	10.0		92.0	83-123		3.88	30	
1,1-Dichloroethane	9.6		"	10.0		96.1	75-130		1.24	30	
1,1-Dichloroethylene	10		"	10.0		102	64-137		6.07	30	
1,2,3-Trichlorobenzene	10		"	10.0		100	81-140		6.48	30	
1,2,3-Trichloropropane	8.9		"	10.0		88.8	81-126		1.25	30	
1,2,4-Trichlorobenzene	9.9		"	10.0		98.9	80-141		4.66	30	
1,2,4-Trimethylbenzene	9.3		"	10.0		93.4	84-125		5.32	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		116	74-142		9.45	30	
1,2-Dibromoethane	9.3		"	10.0		92.8	86-123		1.30	30	
1,2-Dichlorobenzene	9.7		"	10.0		96.9	85-122		0.309	30	
1,2-Dichloroethane	9.9		"	10.0		98.9	71-133		1.94	30	
1,2-Dichloropropane	9.8		"	10.0		98.1	81-122		3.31	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.2	82-126		5.93	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.6	84-124		3.12	30	
1,4-Dichlorobenzene	9.3		"	10.0		93.2	84-124		2.44	30	
1,4-Dioxane	210		"	210		101	10-228		23.7	30	
2-Butanone	9.0		"	10.0		90.5	58-147		10.1	30	
2-Hexanone	7.5		"	10.0		75.2	70-139		10.5	30	
4-Methyl-2-pentanone	6.4		"	10.0		64.2	72-132	Low Bias	7.10	30	
Acetone	4.5		"	10.0		45.4	36-155		13.1	30	
Acrolein	12		"	10.0		117	10-238		5.64	30	
Acrylonitrile	9.2		"	10.0		92.1	66-141		8.25	30	
Benzene	9.9		"	10.0		99.0	77-127		3.28	30	
Bromochloromethane	9.9		"	10.0		99.4	74-129		3.27	30	
Bromodichloromethane	9.3		"	10.0		92.8	81-124		0.858	30	
Bromoform	9.3		"	10.0		92.6	80-136		7.86	30	
Bromomethane	13		"	10.0		129	32-177		7.29	30	
Carbon disulfide	11		"	10.0		107	10-136		3.41	30	
Carbon tetrachloride	10		"	10.0		100	66-143		3.53	30	
Chlorobenzene	10		"	10.0		100	86-120		3.62	30	
Chloroethane	11		"	10.0		105	51-142		4.64	30	
Chloroform	9.8		"	10.0		98.2	76-131		1.72	30	
Chloromethane	14		"	10.0		141	49-132	High Bias	5.01	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		97.6	74-132		2.83	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		94.4	81-129		0.317	30	
Cyclohexane	9.8		"	10.0		98.2	70-130		4.58	30	
Dibromochloromethane	9.4		"	10.0		93.7	10-200		3.59	30	
Dibromomethane	9.4		"	10.0		94.2	83-124		3.68	30	
Dichlorodifluoromethane	13		"	10.0		128	28-158		1.17	30	
Ethyl Benzene	9.6		"	10.0		95.6	84-125		4.70	30	
Hexachlorobutadiene	10		"	10.0		100	83-133		4.68	30	
Isopropylbenzene	9.6		"	10.0		95.6	81-127		7.45	30	
Methyl acetate	8.6		"	10.0		85.5	41-143		2.97	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.5	74-131		6.82	30	
Methylcyclohexane	9.4		"	10.0		93.9	70-130		4.48	30	
Methylene chloride	9.8		"	10.0		97.9	57-141		0.102	30	
n-Butylbenzene	9.5		"	10.0		95.1	80-130		5.42	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
LCS Dup (BB30458-BSD1) LCS Dup									Prepared & Analyzed: 02/08/2023		
n-Propylbenzene	9.5		ug/L	10.0		95.0	74-136		7.11	30	
o-Xylene	9.6		"	10.0		96.0	83-123		3.88	30	
p- & m- Xylenes	19		"	20.0		96.0	82-128		4.28	30	
p-Isopropyltoluene	9.5		"	10.0		94.7	85-125		6.24	30	
sec-Butylbenzene	9.6		"	10.0		96.5	83-125		5.15	30	
Styrene	9.8		"	10.0		97.7	86-126		3.52	30	
tert-Butyl alcohol (TBA)	56		"	50.0		113	70-130		18.4	30	
tert-Butylbenzene	9.1		"	10.0		91.1	80-127		4.61	30	
Tetrachloroethylene	6.7		"	10.0		67.1	80-129	Low Bias	6.07	30	
Toluene	9.6		"	10.0		96.2	85-121		5.07	30	
trans-1,2-Dichloroethylene	10		"	10.0		99.7	72-132		4.32	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		93.5	78-132		3.59	30	
trans-1,4-dichloro-2-butene	7.6		"	10.0		76.4	75-135		6.91	30	
Trichloroethylene	9.5		"	10.0		95.3	84-123		5.61	30	
Trichlorofluoromethane	10		"	10.0		102	62-140		4.95	30	
Vinyl Chloride	11		"	10.0		114	52-130		4.54	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*9.60*		*"*	*10.0*		*96.0*	*76-130*				
Batch BB30528 - EPA 5030B											
Blank (BB30528-BLK1) Blank									Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Blank (BB30528-BLK1) Blank								Prepared & Analyzed: 02/09/2023			
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
LCS (BB30528-BS1) LCS							Prepared & Analyzed: 02/09/2023				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.4	82-126				
1,1,1-Trichloroethane	11		"	10.0		110	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		108	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		97.0	82-123				
1,1-Dichloroethane	10		"	10.0		103	82-129				
1,1-Dichloroethylene	11		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		99.8	40-130				
1,2,3-Trichloropropane	9.7		"	10.0		97.4	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		93.0	65-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		90.7	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		99.8	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.0	83-124				
1,2-Dichlorobenzene	9.3		"	10.0		93.2	79-123				
1,2-Dichloroethane	10		"	10.0		105	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.3		"	10.0		93.3	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		93.5	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		91.9	85-130				
1,4-Dioxane	220		"	210		106	10-349				
2-Butanone	7.1		"	10.0		70.7	49-152				
2-Hexanone	7.7		"	10.0		77.1	51-146				
4-Methyl-2-pentanone	9.4		"	10.0		94.3	57-145				
Acetone	4.3		"	10.0		43.4	14-150				
Acrolein	8.0		"	10.0		79.5	10-153				
Acrylonitrile	11		"	10.0		114	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	11		"	10.0		106	77-128				
Bromodichloromethane	9.8		"	10.0		97.8	79-128				
Bromoform	9.8		"	10.0		98.5	78-133				
Bromomethane	9.9		"	10.0		99.1	43-168				
Carbon disulfide	12		"	10.0		122	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	11		"	10.0		111	65-136				
Chloroform	10		"	10.0		105	82-128				
Chloromethane	12		"	10.0		119	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		99.0	80-131				
Cyclohexane	11		"	10.0		109	63-149				
Dibromochloromethane	9.8		"	10.0		97.7	80-130				
Dibromomethane	9.6		"	10.0		96.1	72-134				
Dichlorodifluoromethane	12		"	10.0		125	44-144				
Ethyl Benzene	9.7		"	10.0		96.9	80-131				
Hexachlorobutadiene	9.9		"	10.0		99.4	67-146				
Isopropylbenzene	9.9		"	10.0		99.0	76-140				
Methyl acetate	9.3		"	10.0		93.0	51-139				
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		99.3	76-135				
Methylcyclohexane	10		"	10.0		101	72-143				
Methylene chloride	11		"	10.0		113	55-137				
n-Butylbenzene	10		"	10.0		105	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
LCS (BB30528-BS1) LCS							Prepared & Analyzed: 02/09/2023				
n-Propylbenzene	9.7		ug/L	10.0		97.2	78-133				
o-Xylene	9.5		"	10.0		95.0	78-130				
p- & m- Xylenes	19		"	20.0		97.4	77-133				
p-Isopropyltoluene	9.7		"	10.0		96.8	81-136				
sec-Butylbenzene	9.8		"	10.0		98.3	79-137				
Styrene	9.8		"	10.0		97.7	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162				
tert-Butylbenzene	9.7		"	10.0		96.8	77-138				
Tetrachloroethylene	5.2		"	10.0		51.6	82-131	Low Bias			
Toluene	9.7		"	10.0		97.3	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		98.0	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.4	63-141				
Trichloroethylene	9.3		"	10.0		93.2	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	12		"	10.0		120	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS Dup (BB30528-BSD1) LCS Dup							Prepared & Analyzed: 02/09/2023				
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.6	82-126		1.88	30	
1,1,1-Trichloroethane	10		"	10.0		105	78-136		4.29	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129		1.11	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		4.95	30	
1,1,2-Trichloroethane	9.6		"	10.0		96.2	82-123		0.828	30	
1,1-Dichloroethane	10		"	10.0		100	82-129		2.75	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		4.27	30	
1,2,3-Trichlorobenzene	10		"	10.0		103	40-130		2.77	30	
1,2,3-Trichloropropane	9.7		"	10.0		97.4	77-128		0.00	30	
1,2,4-Trichlorobenzene	9.3		"	10.0		93.0	65-137		0.00	30	
1,2,4-Trimethylbenzene	9.0		"	10.0		90.5	82-132		0.221	30	
1,2-Dibromo-3-chloropropane	9.7		"	10.0		97.3	45-147		2.54	30	
1,2-Dibromoethane	9.8		"	10.0		97.7	83-124		1.32	30	
1,2-Dichlorobenzene	9.2		"	10.0		92.4	79-123		0.862	30	
1,2-Dichloroethane	10		"	10.0		103	73-132		2.02	30	
1,2-Dichloropropane	9.8		"	10.0		98.5	78-126		1.51	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.0	80-131		0.322	30	
1,3-Dichlorobenzene	9.2		"	10.0		92.4	86-130		1.18	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.8	85-130		0.109	30	
1,4-Dioxane	220		"	210		107	10-349		0.250	30	
2-Butanone	7.0		"	10.0		69.9	49-152		1.14	30	
2-Hexanone	7.7		"	10.0		77.2	51-146		0.130	30	
4-Methyl-2-pentanone	9.5		"	10.0		95.0	57-145		0.740	30	
Acetone	4.4		"	10.0		43.5	14-150		0.230	30	
Acrolein	8.0		"	10.0		79.5	10-153		0.00	30	
Acrylonitrile	11		"	10.0		111	51-150		2.32	30	
Benzene	11		"	10.0		105	85-126		2.26	30	
Bromochloromethane	10		"	10.0		104	77-128		2.18	30	
Bromodichloromethane	9.6		"	10.0		95.9	79-128		1.96	30	
Bromoform	9.7		"	10.0		97.0	78-133		1.53	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
LCS Dup (BB30528-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2023			
Bromomethane	9.5		ug/L	10.0		94.9	43-168		4.33	30	
Carbon disulfide	11		"	10.0		115	68-146		6.09	30	
Carbon tetrachloride	10		"	10.0		104	77-141		5.15	30	
Chlorobenzene	10		"	10.0		99.8	88-120		1.89	30	
Chloroethane	11		"	10.0		106	65-136		4.97	30	
Chloroform	10		"	10.0		102	82-128		2.51	30	
Chloromethane	11		"	10.0		111	43-155		6.61	30	
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129		3.01	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		96.0	80-131		3.08	30	
Cyclohexane	10		"	10.0		104	63-149		4.60	30	
Dibromochloromethane	9.6		"	10.0		96.2	80-130		1.55	30	
Dibromomethane	9.6		"	10.0		95.7	72-134		0.417	30	
Dichlorodifluoromethane	12		"	10.0		117	44-144		6.11	30	
Ethyl Benzene	9.4		"	10.0		93.8	80-131		3.25	30	
Hexachlorobutadiene	9.9		"	10.0		99.4	67-146		0.00	30	
Isopropylbenzene	9.8		"	10.0		98.1	76-140		0.913	30	
Methyl acetate	9.3		"	10.0		93.4	51-139		0.429	30	
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		99.0	76-135		0.303	30	
Methylcyclohexane	9.6		"	10.0		96.4	72-143		4.26	30	
Methylene chloride	12		"	10.0		115	55-137		1.57	30	
n-Butylbenzene	11		"	10.0		106	79-132		0.760	30	
n-Propylbenzene	9.6		"	10.0		96.3	78-133		0.930	30	
o-Xylene	9.3		"	10.0		92.8	78-130		2.34	30	
p- & m- Xylenes	19		"	20.0		95.0	77-133		2.44	30	
p-Isopropyltoluene	9.6		"	10.0		96.3	81-136		0.518	30	
sec-Butylbenzene	9.8		"	10.0		98.4	79-137		0.102	30	
Styrene	9.6		"	10.0		95.7	67-132		2.07	30	
tert-Butyl alcohol (TBA)	52		"	50.0		105	25-162		0.592	30	
tert-Butylbenzene	9.7		"	10.0		96.9	77-138		0.103	30	
Tetrachloroethylene	5.0		"	10.0		49.6	82-131	Low Bias	3.95	30	
Toluene	9.4		"	10.0		94.5	80-127		2.92	30	
trans-1,2-Dichloroethylene	11		"	10.0		105	80-132		5.09	30	
trans-1,3-Dichloropropylene	9.6		"	10.0		96.4	78-131		1.65	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.3	63-141		0.108	30	
Trichloroethylene	8.9		"	10.0		89.3	82-128		4.27	30	
Trichlorofluoromethane	10		"	10.0		104	67-139		5.25	30	
Vinyl Chloride	11		"	10.0		114	58-145		5.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.87*		*"*	*10.0*		*98.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Matrix Spike (BB30528-MS1) Matrix Spike	*Source sample: 23A1484-02 (Matrix Spike)							Prepared & Analyzed: 02/09/2023			
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	126	45-161				
1,1,1-Trichloroethane	15		"	10.0	0.0	151	70-146	High Bias			
1,1,2,2-Tetrachloroethane	14		"	10.0	0.0	137	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15		"	10.0	0.0	148	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	123	59-146				
1,1-Dichloroethane	14		"	10.0	0.0	144	54-146				
1,1-Dichloroethylene	16		"	10.0	0.0	158	44-165				
1,2,3-Trichlorobenzene	11		"	10.0	0.0	113	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	121	74-127				
1,2,4-Trichlorobenzene	11		"	10.0	0.0	105	41-161				
1,2,4-Trimethylbenzene	11		"	10.0	0.0	115	72-129				
1,2-Dibromo-3-chloropropane	12		"	10.0	0.0	123	31-151				
1,2-Dibromoethane	12		"	10.0	0.0	125	75-125				
1,2-Dichlorobenzene	12		"	10.0	0.0	115	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	136	68-131	High Bias			
1,2-Dichloropropane	13		"	10.0	0.0	134	77-121	High Bias			
1,3,5-Trimethylbenzene	12		"	10.0	0.0	119	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119				
1,4-Dichlorobenzene	11		"	10.0	0.0	112	70-124				
1,4-Dioxane	280		"	210	2.7	133	10-310				
2-Butanone	11		"	10.0	0.0	112	10-193				
2-Hexanone	9.9		"	10.0	0.0	99.3	53-133				
4-Methyl-2-pentanone	12		"	10.0	0.0	123	38-150				
Acetone	6.0		"	10.0	0.57	53.8	13-149				
Acrolein	9.5		"	10.0	0.0	95.4	10-195				
Acrylonitrile	14		"	10.0	0.0	136	37-165				
Benzene	26		"	10.0	11	146	38-155				
Bromochloromethane	14		"	10.0	0.0	137	75-121	High Bias			
Bromodichloromethane	13		"	10.0	0.0	128	70-129				
Bromoform	12		"	10.0	0.0	124	66-136				
Bromomethane	9.9		"	10.0	0.0	98.9	30-158				
Carbon disulfide	16		"	10.0	0.0	163	10-138	High Bias			
Carbon tetrachloride	15		"	10.0	0.0	147	71-146	High Bias			
Chlorobenzene	13		"	10.0	0.0	132	81-117	High Bias			
Chloroethane	16		"	10.0	0.0	164	51-145	High Bias			
Chloroform	14		"	10.0	0.0	142	80-124	High Bias			
Chloromethane	14		"	10.0	0.0	144	16-163				
cis-1,2-Dichloroethylene	30		"	10.0	16	142	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	125	58-131				
Cyclohexane	15		"	10.0	0.88	142	70-130	High Bias			
Dibromochloromethane	13		"	10.0	0.0	125	71-129				
Dibromomethane	12		"	10.0	0.0	123	76-120	High Bias			
Dichlorodifluoromethane	15		"	10.0	0.0	149	30-147	High Bias			
Ethyl Benzene	13		"	10.0	0.57	128	72-128				
Hexachlorobutadiene	11		"	10.0	0.0	115	34-166				
Isopropylbenzene	13		"	10.0	0.33	130	66-139				
Methyl acetate	12		"	10.0	0.0	118	10-200				
Methyl tert-butyl ether (MTBE)	13		"	10.0	0.0	128	75-128				
Methylcyclohexane	13		"	10.0	0.57	121	70-130				
Methylene chloride	14		"	10.0	0.25	142	57-128	High Bias			
n-Butylbenzene	13		"	10.0	0.0	126	61-138				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Matrix Spike (BB30528-MS1) Matrix Spike	*Source sample: 23A1484-02 (Matrix Spike)								Prepared & Analyzed: 02/09/2023		
n-Propylbenzene	13		ug/L	10.0	0.0	125	66-134				
o-Xylene	13		"	10.0	0.0	126	69-126				
p- & m- Xylenes	26		"	20.0	0.20	127	67-130				
p-Isopropyltoluene	12		"	10.0	0.0	120	64-137				
sec-Butylbenzene	13		"	10.0	0.0	126	53-155				
Styrene	13		"	10.0	0.0	128	69-125	High Bias			
tert-Butyl alcohol (TBA)	70		"	50.0	0.0	141	10-130	High Bias			
tert-Butylbenzene	13		"	10.0	0.0	127	65-139				
Tetrachloroethylene	6.6		"	10.0	0.0	65.7	64-139				
Toluene	13		"	10.0	0.0	132	76-123	High Bias			
trans-1,2-Dichloroethylene	16		"	10.0	0.72	151	79-131	High Bias			
trans-1,3-Dichloropropylene	12		"	10.0	0.0	123	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	114	25-155				
Trichloroethylene	12		"	10.0	0.0	123	53-145				
Trichlorofluoromethane	15		"	10.0	0.0	150	61-142	High Bias			
Vinyl Chloride	280		"	10.0	280	17.5	31-165	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.60*		*"*	*10.0*		*96.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Matrix Spike Dup (BB30528-M Matrix Spike Dup	*Source sample: 23A1484-02 (Matrix Spike Dup)								Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	14		ug/L	10.0	0.0	135	45-161		7.29	30	
1,1,1-Trichloroethane	16		"	10.0	0.0	159	70-146	High Bias	5.28	30	
1,1,2,2-Tetrachloroethane	15		"	10.0	0.0	148	74-121	High Bias	7.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16		"	10.0	0.0	161	21-217		8.41	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	130	59-146		5.39	30	
1,1-Dichloroethane	15		"	10.0	0.0	151	54-146	High Bias	4.67	30	
1,1-Dichloroethylene	16		"	10.0	0.0	165	44-165		4.15	30	
1,2,3-Trichlorobenzene	13		"	10.0	0.0	127	40-161		12.3	30	
1,2,3-Trichloropropane	13		"	10.0	0.0	132	74-127	High Bias	8.52	30	
1,2,4-Trichlorobenzene	12		"	10.0	0.0	117	41-161		10.2	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	124	72-129		8.19	30	
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	134	31-151		8.51	30	
1,2-Dibromoethane	13		"	10.0	0.0	133	75-125	High Bias	6.36	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	125	63-122	High Bias	8.09	30	
1,2-Dichloroethane	14		"	10.0	0.0	143	68-131	High Bias	4.65	30	
1,2-Dichloropropane	14		"	10.0	0.0	142	77-121	High Bias	5.71	30	
1,3,5-Trimethylbenzene	13		"	10.0	0.0	129	69-126	High Bias	7.97	30	
1,3-Dichlorobenzene	12		"	10.0	0.0	124	74-119	High Bias	8.15	30	
1,4-Dichlorobenzene	12		"	10.0	0.0	122	70-124		8.11	30	
1,4-Dioxane	300		"	210	2.7	143	10-310		6.55	30	
2-Butanone	11		"	10.0	0.0	114	10-193		1.85	30	
2-Hexanone	11		"	10.0	0.0	108	53-133		8.02	30	
4-Methyl-2-pentanone	13		"	10.0	0.0	133	38-150		7.82	30	
Acetone	6.3		"	10.0	0.57	57.6	13-149		6.82	30	
Acrolein	10		"	10.0	0.0	103	10-195		7.95	30	
Acrylonitrile	15		"	10.0	0.0	152	37-165		11.1	30	
Benzene	27		"	10.0	11	154	38-155		4.99	30	
Bromochloromethane	14		"	10.0	0.0	144	75-121	High Bias	5.34	30	
Bromodichloromethane	14		"	10.0	0.0	137	70-129	High Bias	6.27	30	
Bromoform	13		"	10.0	0.0	134	66-136		8.38	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Matrix Spike Dup (BB30528-M Matrix Spike Dup	*Source sample: 23A1484-02 (Matrix Spike Dup)								Prepared & Analyzed: 02/09/2023		
Bromomethane	12		ug/L	10.0	0.0	118	30-158		17.7	30	
Carbon disulfide	17		"	10.0	0.0	172	10-138	High Bias	5.61	30	
Carbon tetrachloride	16		"	10.0	0.0	156	71-146	High Bias	5.54	30	
Chlorobenzene	14		"	10.0	0.0	142	81-117	High Bias	6.85	30	
Chloroethane	16		"	10.0	0.0	165	51-145	High Bias	0.548	30	
Chloroform	15		"	10.0	0.0	149	80-124	High Bias	4.74	30	
Chloromethane	15		"	10.0	0.0	148	16-163		2.67	30	
cis-1,2-Dichloroethylene	31		"	10.0	16	153	76-125	High Bias	7.06	30	
cis-1,3-Dichloropropylene	13		"	10.0	0.0	133	58-131	High Bias	6.59	30	
Cyclohexane	16		"	10.0	0.88	154	70-130	High Bias	7.91	30	
Dibromochloromethane	13		"	10.0	0.0	134	71-129	High Bias	7.01	30	
Dibromomethane	13		"	10.0	0.0	131	76-120	High Bias	6.15	30	
Dichlorodifluoromethane	16		"	10.0	0.0	158	30-147	High Bias	6.25	30	
Ethyl Benzene	14		"	10.0	0.57	137	72-128	High Bias	7.18	30	
Hexachlorobutadiene	13		"	10.0	0.0	128	34-166		11.0	30	
Isopropylbenzene	14		"	10.0	0.33	141	66-139	High Bias	8.27	30	
Methyl acetate	12		"	10.0	0.0	124	10-200		5.70	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	137	75-128	High Bias	6.57	30	
Methylcyclohexane	14		"	10.0	0.57	134	70-130	High Bias	9.57	30	
Methylene chloride	15		"	10.0	0.25	148	57-128	High Bias	4.06	30	
n-Butylbenzene	14		"	10.0	0.0	140	61-138	High Bias	10.4	30	
n-Propylbenzene	14		"	10.0	0.0	136	66-134	High Bias	8.04	30	
o-Xylene	13		"	10.0	0.0	134	69-126	High Bias	6.22	30	
p- & m- Xylenes	27		"	20.0	0.20	136	67-130	High Bias	6.39	30	
p-Isopropyltoluene	13		"	10.0	0.0	132	64-137		8.81	30	
sec-Butylbenzene	14		"	10.0	0.0	138	53-155		9.24	30	
Styrene	14		"	10.0	0.0	137	69-125	High Bias	6.62	30	
tert-Butyl alcohol (TBA)	76		"	50.0	0.0	152	10-130	High Bias	7.56	30	
tert-Butylbenzene	14		"	10.0	0.0	138	65-139		8.22	30	
Tetrachloroethylene	7.0		"	10.0	0.0	70.0	64-139		6.34	30	
Toluene	14		"	10.0	0.0	140	76-123	High Bias	5.83	30	
trans-1,2-Dichloroethylene	17		"	10.0	0.72	158	79-131	High Bias	4.53	30	
trans-1,3-Dichloropropylene	13		"	10.0	0.0	132	55-130	High Bias	6.74	30	
trans-1,4-dichloro-2-butene	12		"	10.0	0.0	124	25-155		8.34	30	
Trichloroethylene	13		"	10.0	0.0	131	53-145		6.37	30	
Trichlorofluoromethane	15		"	10.0	0.0	155	61-142	High Bias	2.89	30	
Vinyl Chloride	290		"	10.0	280	97.1	31-165		139	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30241 - Preparation for GC Analysis											
Blank (BB30241-BLK1) Blank								Prepared & Analyzed: 02/04/2023			
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BB30241-DUP1) Duplicate	*Source sample: 23B0051-07 (Duplicate)							Prepared & Analyzed: 02/04/2023			
Methane	150	10	ug/L		130				12.2	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31616 - EPA 3015A												
Blank (BA31616-BLK1)	Blank									Prepared: 01/31/2023 Analyzed: 02/03/2023		
Iron		ND	0.278	mg/L								
Manganese		ND	0.00556	"								
LCS (BA31616-BS1)	LCS									Prepared: 01/31/2023 Analyzed: 02/03/2023		
Iron		1.04		ug/mL	1.00		104	80-120				
Manganese		0.525		"	0.500		105	80-120				
Duplicate (BA31616-DUP1)	Duplicate	*Source sample: 23A1409-06 (LMW-47_20230130)								Prepared: 01/31/2023 Analyzed: 02/03/2023		
Iron		29.3	0.278	mg/L		29.4				0.191	20	
Manganese		1.25	0.00556	"		1.25				0.0684	20	
Matrix Spike (BA31616-MS1)	Matrix Spike	*Source sample: 23A1409-06 (LMW-47_20230130)								Prepared: 01/31/2023 Analyzed: 02/03/2023		
Iron		30.0	0.278	mg/L	1.11	29.4	60.8	75-125	Low Bias			
Manganese		1.78	0.00556	"	0.556	1.25	95.0	75-125				
Post Spike (BA31616-PS1)	Post Spike	*Source sample: 23A1409-06 (LMW-47_20230130)								Prepared: 01/31/2023 Analyzed: 02/03/2023		
Iron		27.4		ug/mL	1.00	26.4	98.1	75-125				
Manganese		1.64		"	0.500	1.13	102	75-125				
Batch BB30021 - EPA 3015A												
Blank (BB30021-BLK1)	Blank									Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		ND	0.278	mg/L								
Manganese - Dissolved		ND	0.00556	"								
LCS (BB30021-BS1)	LCS									Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		0.942		ug/mL	1.00		94.2	80-120				
Manganese - Dissolved		0.480		"	0.500		95.9	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30021 - EPA 3015A												
Duplicate (BB30021-DUP1)	Duplicate	*Source sample: 23A1484-01 (Duplicate)								Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		1.56	0.278	mg/L		1.61				3.18	20	
Manganese - Dissolved		0.165	0.00556	"		0.169				2.47	20	
Matrix Spike (BB30021-MS1)	Matrix Spike	*Source sample: 23A1484-01 (Matrix Spike)								Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		2.55	0.278	mg/L	1.11	1.61	84.3	75-125				
Manganese - Dissolved		0.690	0.00556	"	0.556	0.169	93.8	75-125				
Post Spike (BB30021-PS1)	Post Spike	*Source sample: 23A1484-01 (Post Spike)								Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		2.59		ug/mL	1.00	1.45	114	75-125				
Manganese - Dissolved		0.717		"	0.500	0.152	113	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31668 - EPA 300											
Blank (BA31668-BLK1) Blank								Prepared & Analyzed: 01/30/2023			
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BA31668-BS1) LCS								Prepared & Analyzed: 01/30/2023			
Nitrate as N	9.86	0.0500	mg/L	10.0		98.6	90-110				
Nitrite as N	10.2	0.0500	"	10.0		102	90-110				
Sulfate	9.47	1.00	"	10.0		94.7	85-115				
Duplicate (BA31668-DUP1) Duplicate *Source sample: 23A1408-01 (Duplicate)								Prepared & Analyzed: 01/30/2023			
Nitrate as N	10.8	0.0500	mg/L		11.0				1.85	15	
Nitrite as N	ND	0.0500	"		0.0315					15	
Sulfate	14.3	1.00	"		14.6				1.94	15	
Matrix Spike (BA31668-MS1) Matrix Spike *Source sample: 23A1408-01 (Matrix Spike)								Prepared & Analyzed: 01/30/2023			
Nitrate as N	20.6	0.0500	mg/L	10.0	11.0	95.9	90-110				
Nitrite as N	9.83	0.0500	"	10.0	0.0315	98.0	90-110				
Sulfate	23.3	1.00	"	10.0	14.6	86.8	85-115				
Batch BB30062 - EPA 300											
Blank (BB30062-BLK1) Blank								Prepared & Analyzed: 02/01/2023			
Chloride	ND	0.500	mg/L								
Sulfate	ND	1.00	"								
LCS (BB30062-BS1) LCS								Prepared & Analyzed: 02/01/2023			
Chloride	9.77	0.500	mg/L	10.0		97.7	90-110				
Sulfate	9.61	1.00	"	10.0		96.1	85-115				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30308 - EPA 300												
Blank (BB30308-BLK1)	Blank								Prepared & Analyzed: 02/03/2023			
Chloride		ND	0.500	mg/L								
LCS (BB30308-BS1)	LCS								Prepared & Analyzed: 02/03/2023			
Chloride		9.68	0.500	mg/L	10.0		96.8	90-110				
Duplicate (BB30308-DUP1)	Duplicate	*Source sample: 23A1484-02 (Duplicate)							Prepared & Analyzed: 02/03/2023			
Chloride		81.1	25.0	mg/L		92.0				12.5	15	
Duplicate (BB30308-DUP2)	Duplicate	*Source sample: 23A1484-08RE1 (Duplicate)							Prepared & Analyzed: 02/03/2023			
Chloride		ND	0.500	mg/L		ND					15	
Matrix Spike (BB30308-MS1)	Matrix Spike	*Source sample: 23A1484-02 (Matrix Spike)							Prepared & Analyzed: 02/03/2023			
Chloride		11.7	0.500	mg/L	10.0	92.0	NR	85-115	Low Bias			
Matrix Spike (BB30308-MS2)	Matrix Spike	*Source sample: 23A1484-08RE1 (Matrix Spike)							Prepared & Analyzed: 02/03/2023			
Chloride		9.00	0.500	mg/L	10.0	ND	90.0	85-115				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30033 - Analysis Preparation												
Blank (BB30033-BLK1)	Blank									Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		ND	1.00	mg/L								
Duplicate (BB30033-DUP1)	Duplicate	*Source sample: 23A1484-02 (Duplicate)								Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		4.94	1.00	mg/L		5.05				2.20	15	
Matrix Spike (BB30033-MS1)	Matrix Spike	*Source sample: 23A1484-02 (Matrix Spike)								Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		23.5		mg/L	20.0	5.05	92.2	85-115				
Reference (BB30033-SRM1)	Reference									Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		75.8		mg/L	79.2		95.7	83.96-115				
Batch BB30107 - Analysis Preparation												
Duplicate (BB30107-DUP1)	Duplicate	*Source sample: 23A1484-02 (Duplicate)								Prepared & Analyzed: 02/02/2023		
Alkalinity, total		220	2.0	mg/L		220				0.00	15	
Reference (BB30107-SRM1)	Reference									Prepared & Analyzed: 02/02/2023		
Alkalinity, total		170		mg/L	178		96.6	90-110				
Batch BB30257 - Analysis Preparation												
Blank (BB30257-BLK1)	Blank									Prepared & Analyzed: 02/06/2023		
Sulfide		ND	1.0	mg/L								
LCS (BB30257-BS1)	LCS									Prepared & Analyzed: 02/06/2023		
Sulfide		40	1.0	mg/L	50.0		80.0	80-120				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30257 - Analysis Preparation											
Duplicate (BB30257-DUP1) Duplicate	*Source sample: 23A1484-02 (Duplicate)								Prepared & Analyzed: 02/06/2023		
Sulfide	2.9	1.0	mg/L		2.9				0.00	15	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30078 - % Solids Prep												
Blank (BB30078-BLK1)	Blank									Prepared & Analyzed: 02/01/2023		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BB30078-DUP1)	Duplicate	*Source sample: 23A1267-03 (Duplicate)								Prepared & Analyzed: 02/01/2023		
Total Dissolved Solids		233	10.0	mg/L		238				2.12	15	
Duplicate (BB30078-DUP2)	Duplicate	*Source sample: 23A1484-02 (Duplicate)								Prepared & Analyzed: 02/01/2023		
Total Dissolved Solids		935	10.0	mg/L		932				0.321	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23A1409-02	LMW-43_20230130	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1409-03	LMW-44_20230130	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1409-04	LMW-45_20230130	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1409-05	LMW-46_20230130	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1409-06	LMW-47_20230130	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1409-07	TB_20230130	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE20	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 20% of expected value).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23A1409

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN	Company:	Company:	100766601	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ	Address:	Address: SAME	YOUR Project Name: 23-30 Borden Ave	RUSH - Two Day
Phone: 973-560-4900	Phone:	Phone:		RUSH - Three Day
Contact: Aroona Bhodram	Contact: SAME	Contact:		RUSH - Four Day
E-mail: abhodram@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
*LMW-41-20230130	GW	1/30/23 1340	VOCs, total+dissolved iron, total+dissolved manganese, nitrate, nitrite, sulfate, sulfide, chloride, methane, ethane, ethene, TOC	4x250mL plastic & vials
LMW-43-20230130		0930		
LMW-44-20230130		1125		
LMW-45-20230130		0954	TDS, alkalinity	
LMW-46-20230130		1205		
LMW-47-20230130		1411		
TB-20230130	—	—	VOCs	2x vials

Comments: all samples may contain EVO+[illegible] ZVI.
* HOLD sample LMW-41-20230130, no analyses yet
FIRM 5-DAY TAT

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ✓ ZnAc ✓ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ✓

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LANGAN	1/30/23	Mael M York Fedex	1/30/23 1527	Mael M York Fedex	1/30/23 17:04
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Victor D. York	1/30/23 17:04	Victor D. York	1/30/23 1715		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					1/30/23 1915 1.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 02/10/2023
Client Project ID: 100766601
York Project (SDG) No.: 23A1484

Report Date: 02/10/2023
Client Project ID: 100766601
York Project (SDG) No.: 23A1484

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 31, 2023 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

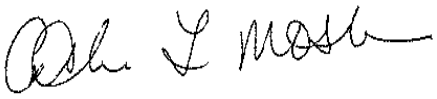
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23A1484-01	LMW-35_20230131	Water	01/31/2023	01/31/2023
23A1484-02	LMW-36_20230131	Water	01/31/2023	01/31/2023
23A1484-03	LMW-37_20230131	Water	01/31/2023	01/31/2023
23A1484-04	LMW-48_20230131	Water	01/31/2023	01/31/2023
23A1484-05	LMW-49_20230131	Water	01/31/2023	01/31/2023
23A1484-06	DUP_20230131	Water	01/31/2023	01/31/2023
23A1484-07	TB_20230131	Water	01/31/2023	01/31/2023
23A1484-08	FB_20230131	Water	01/31/2023	01/31/2023

General Notes for York Project (SDG) No.: 23A1484

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 02/10/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: LMW-35_20230131 **York Sample ID:** 23A1484-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 11:54 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	200	200	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-35_20230131 **York Sample ID:** 23A1484-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 11:54 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	5.0	10	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**16**		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**2.3**	J	ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-35_20230131 **York Sample ID:** 23A1484-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 11:54 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**2.0**	J	ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-35_20230131 **York Sample ID:** 23A1484-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 11:54 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	02/08/2023 09:00	02/08/2023 18:45	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**660**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:46	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:46	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:46	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**4.04**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:37	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.61**		mg/L	0.278	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:46	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.173**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:37	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-35_20230131 **York Sample ID:** 23A1484-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 11:54 am	01/31/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.169**		mg/L	0.00556	1	EPA 6010D	02/01/2023 08:44	02/03/2023 15:46	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**220**		mg/L	0.690	5.00	10	EPA 300.0	02/03/2023 18:44	02/03/2023 18:44	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0597**		mg/L	0.0500	1	EPA 300.0	02/01/2023 00:32	02/01/2023 00:32	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 00:32	02/01/2023 00:32	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**160**		mg/L	10.0	10	EPA 300.0	02/03/2023 18:44	02/03/2023 18:44	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**470**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**3.2**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-35_20230131 **York Sample ID:** 23A1484-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 11:54 am	01/31/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**9.84**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1080**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-36_20230131 **York Sample ID:** 23A1484-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 9:35 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-36_20230131 **York Sample ID:** 23A1484-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 9:35 am	01/31/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**11**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**16**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**0.88**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-36_20230131 **York Sample ID:** 23A1484-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 9:35 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.33**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	**trans-1,2-Dichloroethylene**	**0.72**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-36_20230131 **York Sample ID:** 23A1484-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 9:35 am	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**190**		ug/L	2.0	5.0	10	EPA 8260C	02/10/2023 08:00	02/10/2023 14:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 09:00	02/09/2023 18:08	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**1000**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:55	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:55	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 14:55	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.29**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:40	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.13**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/07/2023 13:49	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.263**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:40	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-36_20230131 **York Sample ID:** 23A1484-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 9:35 am	01/31/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.268**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/07/2023 13:49	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**92.0**		mg/L	0.690	5.00	10	EPA 300.0	02/03/2023 18:54	02/03/2023 18:54	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.500	10	EPA 300.0	02/03/2023 18:54	02/03/2023 18:54	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.500	10	EPA 300.0	02/03/2023 18:54	02/03/2023 18:54	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**347**		mg/L	10.0	10	EPA 300.0	02/03/2023 18:54	02/03/2023 18:54	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**220**		mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.9**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-36_20230131 **York Sample ID:** 23A1484-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 9:35 am	01/31/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5.05**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**932**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

Sample Information

Client Sample ID: LMW-37_20230131 **York Sample ID:** 23A1484-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-37_20230131 **York Sample ID:** 23A1484-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**8.5**		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	**Carbon disulfide**	**4.2**	J	ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**2.7**	J	ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-37_20230131 **York Sample ID:** 23A1484-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**9.8**		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**2.8**	J	ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-37_20230131 **York Sample ID:** 23A1484-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**5.4**		ug/L	2.0	5.0	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**6.2**	J	ug/L	6.0	15	10	EPA 8260C	02/08/2023 09:00	02/08/2023 19:12	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.0 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**52000**		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 15:13	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 15:13	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 15:13	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**7.46**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:56	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**7.04**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:11	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.364**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:56	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-37_20230131 **York Sample ID:** 23A1484-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:20 pm	01/31/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.371**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:11	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**178**		mg/L	0.690	5.00	10	EPA 300.0	02/03/2023 19:03	02/03/2023 19:03	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 01:02	02/01/2023 01:02	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	**Nitrite as N**	**0.0846**		mg/L	0.0500	1	EPA 300.0	02/01/2023 01:02	02/01/2023 01:02	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**172**		mg/L	10.0	10	EPA 300.0	02/03/2023 19:03	02/03/2023 19:03	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**400**	CONT-02	mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** pH**	**6.40**	HT-pH	pH units	0.500	1	SM 4500 H+B	02/02/2023 15:54	02/02/2023 20:27	SMK
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: LMW-37_20230131 **York Sample ID:** 23A1484-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:20 pm	01/31/2023

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**3.2**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**25.3**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**594**		mg/L	10.0	1	SM 2540C-2015	02/01/2023 18:46	02/01/2023 18:46	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-48_20230131 **York Sample ID:** 23A1484-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 12:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**3.3**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**18**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	**1,1-Dichloroethylene**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	**1,2-Dichloroethane**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-48_20230131 **York Sample ID:** 23A1484-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 12:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	**Chloroethane**	**0.60**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**3.0**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-48_20230131 **York Sample ID:** 23A1484-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 12:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-48_20230131 **York Sample ID:** 23A1484-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 12:20 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**14**		ug/L	0.20	0.50	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/08/2023 09:00	02/08/2023 19:38	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**960**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:21	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:21	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:21	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.96**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:58	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.94**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:14	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.176**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 16:58	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-48_20230131 **York Sample ID:** 23A1484-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 12:20 pm	01/31/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.177**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:14	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**130**		mg/L	0.690	5.00	10	EPA 300.0	02/03/2023 19:13	02/03/2023 19:13	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0715**		mg/L	0.0500	1	EPA 300.0	02/01/2023 00:42	02/01/2023 00:42	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 00:42	02/01/2023 00:42	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**109**		mg/L	10.0	10	EPA 300.0	02/03/2023 19:13	02/03/2023 19:13	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**200**	CONT-02	mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.9**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-48_20230131 **York Sample ID:** 23A1484-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 12:20 pm	01/31/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**11.4**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**704**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-49_20230131** **York Sample ID:** **23A1484-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 2:15 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	**1,1,1-Trichloroethane**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**2.1**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	**1,1-Dichloroethylene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.95**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-49_20230131 **York Sample ID:** 23A1484-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 2:15 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	**4-Methyl-2-pentanone**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**5.4**		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**0.68**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-49_20230131 **York Sample ID:** 23A1484-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 2:15 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	**Tetrachloroethylene**	**0.49**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.55**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-49_20230131 **York Sample ID:** 23A1484-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 2:15 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**0.75**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:52	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**28000**		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 15:40	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 15:40	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 15:40	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**8.64**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:01	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**9.21**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:17	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.154**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:01	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-49_20230131 **York Sample ID:** 23A1484-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 2:15 pm	01/31/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.162**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:17	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**95.0**		mg/L	0.690	5.00	10	EPA 300.0	02/03/2023 19:23	02/03/2023 19:23	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.223**		mg/L	0.0500	1	EPA 300.0	02/01/2023 00:52	02/01/2023 00:52	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 00:52	02/01/2023 00:52	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**93.4**		mg/L	10.0	10	EPA 300.0	02/03/2023 19:23	02/03/2023 19:23	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**150**	CONT-02	mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.6**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-49_20230131 **York Sample ID:** 23A1484-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 2:15 pm	01/31/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**12.7**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**634**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20230131 **York Sample ID:** 23A1484-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: DUP_20230131 **York Sample ID:** 23A1484-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**11**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**15**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**0.80**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20230131 **York Sample ID:** 23A1484-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	**trans-1,2-Dichloroethylene**	**0.69**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: DUP_20230131 **York Sample ID:** 23A1484-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**190**		ug/L	2.0	5.0	10	EPA 8260C	02/10/2023 08:00	02/10/2023 14:31	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:21	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**1000**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:48	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:48	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:48	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.82**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:04	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.05**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:20	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.267**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:04	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP_20230131 **York Sample ID:** 23A1484-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.270**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:20	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0500**		mg/L	0.0500	1	EPA 300.0	02/01/2023 15:16	02/01/2023 01:41	ZZZ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 15:16	02/01/2023 01:41	ZZZ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**200**	CONT-02	mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**3.4**		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**4.93**		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DUP_20230131 **York Sample ID:** 23A1484-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**948**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20230131 **York Sample ID:** 23A1484-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20230131 **York Sample ID:** 23A1484-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20230131 **York Sample ID:** 23A1484-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20230131 **York Sample ID:** 23A1484-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/10/2023 00:49	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Sample Information

Client Sample ID: FB_20230131 **York Sample ID:** 23A1484-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20230131 **York Sample ID:** 23A1484-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20230131 **York Sample ID:** 23A1484-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**1.6**	J, B	ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: FB_20230131 **York Sample ID:** 23A1484-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/10/2023 01:18	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:57	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:57	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 15:57	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:13	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:23	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:13	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: FB_20230131 **York Sample ID:** 23A1484-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/07/2023 14:23	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**0.148**	J	mg/L	0.0690	0.500	1	EPA 300.0	02/01/2023 02:09	02/01/2023 02:09	NJO
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 02:09	02/01/2023 02:09	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/01/2023 02:09	02/01/2023 02:09	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	02/01/2023 02:09	02/01/2023 02:09	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	02/03/2023 17:07	02/03/2023 17:07	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**12**	CONT-02	mg/L	2.0	1	SM 2320B	02/02/2023 09:15	02/02/2023 13:05	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	02/06/2023 07:56	02/06/2023 15:28	AD
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: FB_20230131 **York Sample ID:** 23A1484-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1484	100766601	Water	January 31, 2023 3:00 pm	01/31/2023

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	ND		mg/L	1.00	1	SM 5310B-2014	02/01/2023 09:31	02/08/2023 16:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**78.0**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BB30021 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/01/23
BB30021-BLK1	Blank	02/01/23
BB30021-BS1	LCS	02/01/23
BB30021-DUP1	Duplicate	02/01/23
BB30021-MS1	Matrix Spike	02/01/23
BB30021-PS1	Post Spike	02/01/23

Batch ID: BB30033 **Preparation Method:** Analysis Preparation **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/01/23
23A1484-02	LMW-36_20230131	02/01/23
23A1484-03	LMW-37_20230131	02/01/23
23A1484-04	LMW-48_20230131	02/01/23
23A1484-05	LMW-49_20230131	02/01/23
23A1484-06	DUP_20230131	02/01/23
23A1484-08	FB_20230131	02/01/23
BB30033-BLK1	Blank	02/01/23
BB30033-DUP1	Duplicate	02/01/23
BB30033-MS1	Matrix Spike	02/01/23
BB30033-SRM1	Reference	02/01/23

Batch ID: BB30060 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/01/23
23A1484-03	LMW-37_20230131	02/01/23
23A1484-04	LMW-48_20230131	02/01/23
23A1484-05	LMW-49_20230131	02/01/23
BB30060-BLK1	Blank	01/31/23
BB30060-BS1	LCS	01/31/23
BB30060-DUP1	Duplicate	01/31/23
BB30060-DUP2	Duplicate	01/31/23
BB30060-MS1	Matrix Spike	01/31/23
BB30060-MS2	Matrix Spike	01/31/23

Batch ID: BB30062 **Preparation Method:** EPA 300 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-06	DUP_20230131	02/01/23
23A1484-06	DUP_20230131	02/01/23
23A1484-08	FB_20230131	02/01/23
BB30062-BLK1	Blank	02/01/23
BB30062-BS1	LCS	02/01/23

Batch ID: BB30078 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/01/23
23A1484-02	LMW-36_20230131	02/01/23
23A1484-03	LMW-37_20230131	02/01/23
BB30078-BLK1	Blank	02/01/23
BB30078-DUP1	Duplicate	02/01/23
BB30078-DUP2	Duplicate	02/01/23

Batch ID: BB30107 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/02/23
23A1484-02	LMW-36_20230131	02/02/23
23A1484-03	LMW-37_20230131	02/02/23
23A1484-04	LMW-48_20230131	02/02/23
23A1484-05	LMW-49_20230131	02/02/23
23A1484-06	DUP_20230131	02/02/23
23A1484-08	FB_20230131	02/02/23
BB30107-DUP1	Duplicate	02/02/23
BB30107-SRM1	Reference	02/02/23

Batch ID: BB30109 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/02/23
23A1484-02	LMW-36_20230131	02/02/23
23A1484-03	LMW-37_20230131	02/02/23
23A1484-04	LMW-48_20230131	02/02/23
23A1484-05	LMW-49_20230131	02/02/23
23A1484-06	DUP_20230131	02/02/23
23A1484-08	FB_20230131	02/02/23
BB30109-BLK1	Blank	02/02/23
BB30109-BS1	LCS	02/02/23
BB30109-DUP1	Duplicate	02/02/23
BB30109-MS1	Matrix Spike	02/02/23
BB30109-PS1	Post Spike	02/02/23

Batch ID: BB30152 **Preparation Method:** Analysis Preparation **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-03	LMW-37_20230131	02/02/23
BB30152-DUP1	Duplicate	02/02/23

Batch ID: BB30241 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/04/23
23A1484-02	LMW-36_20230131	02/04/23
23A1484-03	LMW-37_20230131	02/04/23
23A1484-04	LMW-48_20230131	02/04/23
23A1484-05	LMW-49_20230131	02/04/23
23A1484-06	DUP_20230131	02/04/23
23A1484-08	FB_20230131	02/04/23
BB30241-BLK1	Blank	02/04/23
BB30241-DUP1	Duplicate	02/04/23

Batch ID: BB30255 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-02	LMW-36_20230131	02/06/23
23A1484-03	LMW-37_20230131	02/06/23
23A1484-04	LMW-48_20230131	02/06/23
23A1484-05	LMW-49_20230131	02/06/23
23A1484-06	DUP_20230131	02/06/23
23A1484-08	FB_20230131	02/06/23
BB30255-BLK1	Blank	02/06/23
BB30255-BS1	LCS	02/06/23
BB30255-DUP1	Duplicate	02/06/23
BB30255-MS1	Matrix Spike	02/06/23
BB30255-PS1	Post Spike	02/06/23

Batch ID: BB30257 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/06/23
23A1484-02	LMW-36_20230131	02/06/23
23A1484-03	LMW-37_20230131	02/06/23
23A1484-04	LMW-48_20230131	02/06/23
23A1484-05	LMW-49_20230131	02/06/23
23A1484-06	DUP_20230131	02/06/23
23A1484-08	FB_20230131	02/06/23
BB30257-BLK1	Blank	02/06/23
BB30257-BS1	LCS	02/06/23
BB30257-DUP1	Duplicate	02/06/23

Batch ID: BB30308 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/03/23
23A1484-02	LMW-36_20230131	02/03/23
23A1484-03	LMW-37_20230131	02/03/23
23A1484-04	LMW-48_20230131	02/03/23
23A1484-05	LMW-49_20230131	02/03/23
23A1484-08RE1	FB_20230131	02/03/23



BB30308-BLK1	Blank	02/03/23
BB30308-BS1	LCS	02/03/23
BB30308-DUP1	Duplicate	02/03/23
BB30308-DUP2	Duplicate	02/03/23
BB30308-MS1	Matrix Spike	02/03/23
BB30308-MS2	Matrix Spike	02/03/23

Batch ID: BB30326 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-04	LMW-48_20230131	02/06/23
23A1484-05	LMW-49_20230131	02/06/23
23A1484-06	DUP_20230131	02/06/23
23A1484-08	FB_20230131	02/06/23
BB30326-BLK1	Blank	02/06/23
BB30326-DUP1	Duplicate	02/06/23
BB30326-DUP2	Duplicate	02/06/23

Batch ID: BB30458 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-01	LMW-35_20230131	02/08/23
23A1484-03	LMW-37_20230131	02/08/23
23A1484-04	LMW-48_20230131	02/08/23
BB30458-BLK1	Blank	02/08/23
BB30458-BS1	LCS	02/08/23
BB30458-BSD1	LCS Dup	02/08/23

Batch ID: BB30528 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-02	LMW-36_20230131	02/09/23
BB30528-BLK1	Blank	02/09/23
BB30528-BS1	LCS	02/09/23
BB30528-BSD1	LCS Dup	02/09/23
BB30528-MS1	Matrix Spike	02/09/23
BB30528-MSD1	Matrix Spike Dup	02/09/23

Batch ID: BB30566 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-05	LMW-49_20230131	02/09/23
23A1484-06	DUP_20230131	02/09/23
23A1484-07	TB_20230131	02/09/23
23A1484-08	FB_20230131	02/09/23
BB30566-BLK1	Blank	02/09/23
BB30566-BS1	LCS	02/09/23
BB30566-BSD1	LCS Dup	02/09/23

Batch ID: BB30611 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23A1484-02RE1	LMW-36_20230131	02/10/23
23A1484-06RE1	DUP_20230131	02/10/23
BB30611-BLK1	Blank	02/10/23
BB30611-BS1	LCS	02/10/23
BB30611-BSD1	LCS Dup	02/10/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
Blank (BB30458-BLK1) Blank									Prepared & Analyzed: 02/08/2023		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
Blank (BB30458-BLK1) Blank								Prepared & Analyzed: 02/08/2023			
n-Butylbenzene	ND	5.0	ug/L								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*9.62*		*"*	*10.0*		*96.2*	*76-130*				
LCS (BB30458-BS1) LCS								Prepared & Analyzed: 02/08/2023			
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		95.7	75-129				
1,1,1-Trichloroethane	10		"	10.0		102	71-137				
1,1,2,2-Tetrachloroethane	9.2		"	10.0		92.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	58-146				
1,1,2-Trichloroethane	8.8		"	10.0		88.5	83-123				
1,1-Dichloroethane	9.7		"	10.0		97.3	75-130				
1,1-Dichloroethylene	11		"	10.0		109	64-137				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.0	81-140				
1,2,3-Trichloropropane	8.8		"	10.0		87.7	81-126				
1,2,4-Trichlorobenzene	9.4		"	10.0		94.4	80-141				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.5	84-125				
1,2-Dibromo-3-chloropropane	11		"	10.0		106	74-142				
1,2-Dibromoethane	9.2		"	10.0		91.6	86-123				
1,2-Dichlorobenzene	9.7		"	10.0		97.2	85-122				
1,2-Dichloroethane	9.7		"	10.0		97.0	71-133				
1,2-Dichloropropane	10		"	10.0		101	81-122				
1,3,5-Trimethylbenzene	9.9		"	10.0		98.9	82-126				
1,3-Dichlorobenzene	9.8		"	10.0		97.6	84-124				
1,4-Dichlorobenzene	9.6		"	10.0		95.5	84-124				
1,4-Dioxane	170		"	210		79.3	10-228				
2-Butanone	8.2		"	10.0		81.8	58-147				
2-Hexanone	6.8		"	10.0		67.7	70-139	Low Bias			
4-Methyl-2-pentanone	6.0		"	10.0		59.8	72-132	Low Bias			
Acetone	4.0		"	10.0		39.8	36-155				
Acrolein	11		"	10.0		110	10-238				
Acrylonitrile	8.5		"	10.0		84.8	66-141				
Benzene	10		"	10.0		102	77-127				
Bromochloromethane	9.6		"	10.0		96.2	74-129				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
LCS (BB30458-BS1) LCS							Prepared & Analyzed: 02/08/2023				
Bromodichloromethane	9.4		ug/L	10.0		93.6	81-124				
Bromoform	8.6		"	10.0		85.6	80-136				
Bromomethane	12		"	10.0		120	32-177				
Carbon disulfide	11		"	10.0		110	10-136				
Carbon tetrachloride	10		"	10.0		104	66-143				
Chlorobenzene	10		"	10.0		104	86-120				
Chloroethane	11		"	10.0		110	51-142				
Chloroform	10		"	10.0		99.9	76-131				
Chloromethane	13		"	10.0		134	49-132	High Bias			
cis-1,2-Dichloroethylene	10		"	10.0		100	74-132				
cis-1,3-Dichloropropylene	9.5		"	10.0		94.7	81-129				
Cyclohexane	10		"	10.0		103	70-130				
Dibromochloromethane	9.0		"	10.0		90.4	10-200				
Dibromomethane	9.1		"	10.0		90.8	83-124				
Dichlorodifluoromethane	13		"	10.0		129	28-158				
Ethyl Benzene	10		"	10.0		100	84-125				
Hexachlorobutadiene	10		"	10.0		105	83-133				
Isopropylbenzene	10		"	10.0		103	81-127				
Methyl acetate	8.3		"	10.0		83.0	41-143				
Methyl tert-butyl ether (MTBE)	8.6		"	10.0		86.4	74-131				
Methylcyclohexane	9.8		"	10.0		98.2	70-130				
Methylene chloride	9.8		"	10.0		98.0	57-141				
n-Butylbenzene	10		"	10.0		100	80-130				
n-Propylbenzene	10		"	10.0		102	74-136				
o-Xylene	10		"	10.0		99.8	83-123				
p- & m- Xylenes	20		"	20.0		100	82-128				
p-Isopropyltoluene	10		"	10.0		101	85-125				
sec-Butylbenzene	10		"	10.0		102	83-125				
Styrene	10		"	10.0		101	86-126				
tert-Butyl alcohol (TBA)	47		"	50.0		93.9	70-130				
tert-Butylbenzene	9.5		"	10.0		95.4	80-127				
Tetrachloroethylene	7.1		"	10.0		71.3	80-129	Low Bias			
Toluene	10		"	10.0		101	85-121				
trans-1,2-Dichloroethylene	10		"	10.0		104	72-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		90.2	78-132				
trans-1,4-dichloro-2-butene	7.1		"	10.0		71.3	75-135	Low Bias			
Trichloroethylene	10		"	10.0		101	84-123				
Trichlorofluoromethane	11		"	10.0		108	62-140				
Vinyl Chloride	12		"	10.0		120	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.59*		*"*	*10.0*		*95.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*76-130*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
LCS Dup (BB30458-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2023			
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.2	75-129		2.65	30	
1,1,1-Trichloroethane	10		"	10.0		101	71-137		1.58	30	
1,1,2,2-Tetrachloroethane	9.7		"	10.0		96.6	79-129		4.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	58-146		5.01	30	
1,1,2-Trichloroethane	9.2		"	10.0		92.0	83-123		3.88	30	
1,1-Dichloroethane	9.6		"	10.0		96.1	75-130		1.24	30	
1,1-Dichloroethylene	10		"	10.0		102	64-137		6.07	30	
1,2,3-Trichlorobenzene	10		"	10.0		100	81-140		6.48	30	
1,2,3-Trichloropropane	8.9		"	10.0		88.8	81-126		1.25	30	
1,2,4-Trichlorobenzene	9.9		"	10.0		98.9	80-141		4.66	30	
1,2,4-Trimethylbenzene	9.3		"	10.0		93.4	84-125		5.32	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		116	74-142		9.45	30	
1,2-Dibromoethane	9.3		"	10.0		92.8	86-123		1.30	30	
1,2-Dichlorobenzene	9.7		"	10.0		96.9	85-122		0.309	30	
1,2-Dichloroethane	9.9		"	10.0		98.9	71-133		1.94	30	
1,2-Dichloropropane	9.8		"	10.0		98.1	81-122		3.31	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.2	82-126		5.93	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.6	84-124		3.12	30	
1,4-Dichlorobenzene	9.3		"	10.0		93.2	84-124		2.44	30	
1,4-Dioxane	210		"	210		101	10-228		23.7	30	
2-Butanone	9.0		"	10.0		90.5	58-147		10.1	30	
2-Hexanone	7.5		"	10.0		75.2	70-139		10.5	30	
4-Methyl-2-pentanone	6.4		"	10.0		64.2	72-132	Low Bias	7.10	30	
Acetone	4.5		"	10.0		45.4	36-155		13.1	30	
Acrolein	12		"	10.0		117	10-238		5.64	30	
Acrylonitrile	9.2		"	10.0		92.1	66-141		8.25	30	
Benzene	9.9		"	10.0		99.0	77-127		3.28	30	
Bromochloromethane	9.9		"	10.0		99.4	74-129		3.27	30	
Bromodichloromethane	9.3		"	10.0		92.8	81-124		0.858	30	
Bromoform	9.3		"	10.0		92.6	80-136		7.86	30	
Bromomethane	13		"	10.0		129	32-177		7.29	30	
Carbon disulfide	11		"	10.0		107	10-136		3.41	30	
Carbon tetrachloride	10		"	10.0		100	66-143		3.53	30	
Chlorobenzene	10		"	10.0		100	86-120		3.62	30	
Chloroethane	11		"	10.0		105	51-142		4.64	30	
Chloroform	9.8		"	10.0		98.2	76-131		1.72	30	
Chloromethane	14		"	10.0		141	49-132	High Bias	5.01	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		97.6	74-132		2.83	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		94.4	81-129		0.317	30	
Cyclohexane	9.8		"	10.0		98.2	70-130		4.58	30	
Dibromochloromethane	9.4		"	10.0		93.7	10-200		3.59	30	
Dibromomethane	9.4		"	10.0		94.2	83-124		3.68	30	
Dichlorodifluoromethane	13		"	10.0		128	28-158		1.17	30	
Ethyl Benzene	9.6		"	10.0		95.6	84-125		4.70	30	
Hexachlorobutadiene	10		"	10.0		100	83-133		4.68	30	
Isopropylbenzene	9.6		"	10.0		95.6	81-127		7.45	30	
Methyl acetate	8.6		"	10.0		85.5	41-143		2.97	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.5	74-131		6.82	30	
Methylcyclohexane	9.4		"	10.0		93.9	70-130		4.48	30	
Methylene chloride	9.8		"	10.0		97.9	57-141		0.102	30	
n-Butylbenzene	9.5		"	10.0		95.1	80-130		5.42	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30458 - EPA 5030B											
LCS Dup (BB30458-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2023			
n-Propylbenzene	9.5		ug/L	10.0		95.0	74-136		7.11	30	
o-Xylene	9.6		"	10.0		96.0	83-123		3.88	30	
p- & m- Xylenes	19		"	20.0		96.0	82-128		4.28	30	
p-Isopropyltoluene	9.5		"	10.0		94.7	85-125		6.24	30	
sec-Butylbenzene	9.6		"	10.0		96.5	83-125		5.15	30	
Styrene	9.8		"	10.0		97.7	86-126		3.52	30	
tert-Butyl alcohol (TBA)	56		"	50.0		113	70-130		18.4	30	
tert-Butylbenzene	9.1		"	10.0		91.1	80-127		4.61	30	
Tetrachloroethylene	6.7		"	10.0		67.1	80-129	Low Bias	6.07	30	
Toluene	9.6		"	10.0		96.2	85-121		5.07	30	
trans-1,2-Dichloroethylene	10		"	10.0		99.7	72-132		4.32	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		93.5	78-132		3.59	30	
trans-1,4-dichloro-2-butene	7.6		"	10.0		76.4	75-135		6.91	30	
Trichloroethylene	9.5		"	10.0		95.3	84-123		5.61	30	
Trichlorofluoromethane	10		"	10.0		102	62-140		4.95	30	
Vinyl Chloride	11		"	10.0		114	52-130		4.54	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*9.60*		*"*	*10.0*		*96.0*	*76-130*				
Batch BB30528 - EPA 5030B											
Blank (BB30528-BLK1) Blank								Prepared & Analyzed: 02/09/2023			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Blank (BB30528-BLK1) Blank									Prepared & Analyzed: 02/09/2023		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
LCS (BB30528-BS1) LCS							Prepared & Analyzed: 02/09/2023				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.4	82-126				
1,1,1-Trichloroethane	11		"	10.0		110	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		108	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		97.0	82-123				
1,1-Dichloroethane	10		"	10.0		103	82-129				
1,1-Dichloroethylene	11		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		99.8	40-130				
1,2,3-Trichloropropane	9.7		"	10.0		97.4	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		93.0	65-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		90.7	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		99.8	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.0	83-124				
1,2-Dichlorobenzene	9.3		"	10.0		93.2	79-123				
1,2-Dichloroethane	10		"	10.0		105	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.3		"	10.0		93.3	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		93.5	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		91.9	85-130				
1,4-Dioxane	220		"	210		106	10-349				
2-Butanone	7.1		"	10.0		70.7	49-152				
2-Hexanone	7.7		"	10.0		77.1	51-146				
4-Methyl-2-pentanone	9.4		"	10.0		94.3	57-145				
Acetone	4.3		"	10.0		43.4	14-150				
Acrolein	8.0		"	10.0		79.5	10-153				
Acrylonitrile	11		"	10.0		114	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	11		"	10.0		106	77-128				
Bromodichloromethane	9.8		"	10.0		97.8	79-128				
Bromoform	9.8		"	10.0		98.5	78-133				
Bromomethane	9.9		"	10.0		99.1	43-168				
Carbon disulfide	12		"	10.0		122	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	11		"	10.0		111	65-136				
Chloroform	10		"	10.0		105	82-128				
Chloromethane	12		"	10.0		119	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		99.0	80-131				
Cyclohexane	11		"	10.0		109	63-149				
Dibromochloromethane	9.8		"	10.0		97.7	80-130				
Dibromomethane	9.6		"	10.0		96.1	72-134				
Dichlorodifluoromethane	12		"	10.0		125	44-144				
Ethyl Benzene	9.7		"	10.0		96.9	80-131				
Hexachlorobutadiene	9.9		"	10.0		99.4	67-146				
Isopropylbenzene	9.9		"	10.0		99.0	76-140				
Methyl acetate	9.3		"	10.0		93.0	51-139				
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		99.3	76-135				
Methylcyclohexane	10		"	10.0		101	72-143				
Methylene chloride	11		"	10.0		113	55-137				
n-Butylbenzene	10		"	10.0		105	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
LCS (BB30528-BS1) LCS							Prepared & Analyzed: 02/09/2023				
n-Propylbenzene	9.7		ug/L	10.0		97.2	78-133				
o-Xylene	9.5		"	10.0		95.0	78-130				
p- & m- Xylenes	19		"	20.0		97.4	77-133				
p-Isopropyltoluene	9.7		"	10.0		96.8	81-136				
sec-Butylbenzene	9.8		"	10.0		98.3	79-137				
Styrene	9.8		"	10.0		97.7	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162				
tert-Butylbenzene	9.7		"	10.0		96.8	77-138				
Tetrachloroethylene	5.2		"	10.0		51.6	82-131	Low Bias			
Toluene	9.7		"	10.0		97.3	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		98.0	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.4	63-141				
Trichloroethylene	9.3		"	10.0		93.2	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	12		"	10.0		120	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS Dup (BB30528-BSD1) LCS Dup							Prepared & Analyzed: 02/09/2023				
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.6	82-126		1.88	30	
1,1,1-Trichloroethane	10		"	10.0		105	78-136		4.29	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129		1.11	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		4.95	30	
1,1,2-Trichloroethane	9.6		"	10.0		96.2	82-123		0.828	30	
1,1-Dichloroethane	10		"	10.0		100	82-129		2.75	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		4.27	30	
1,2,3-Trichlorobenzene	10		"	10.0		103	40-130		2.77	30	
1,2,3-Trichloropropane	9.7		"	10.0		97.4	77-128		0.00	30	
1,2,4-Trichlorobenzene	9.3		"	10.0		93.0	65-137		0.00	30	
1,2,4-Trimethylbenzene	9.0		"	10.0		90.5	82-132		0.221	30	
1,2-Dibromo-3-chloropropane	9.7		"	10.0		97.3	45-147		2.54	30	
1,2-Dibromoethane	9.8		"	10.0		97.7	83-124		1.32	30	
1,2-Dichlorobenzene	9.2		"	10.0		92.4	79-123		0.862	30	
1,2-Dichloroethane	10		"	10.0		103	73-132		2.02	30	
1,2-Dichloropropane	9.8		"	10.0		98.5	78-126		1.51	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.0	80-131		0.322	30	
1,3-Dichlorobenzene	9.2		"	10.0		92.4	86-130		1.18	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.8	85-130		0.109	30	
1,4-Dioxane	220		"	210		107	10-349		0.250	30	
2-Butanone	7.0		"	10.0		69.9	49-152		1.14	30	
2-Hexanone	7.7		"	10.0		77.2	51-146		0.130	30	
4-Methyl-2-pentanone	9.5		"	10.0		95.0	57-145		0.740	30	
Acetone	4.4		"	10.0		43.5	14-150		0.230	30	
Acrolein	8.0		"	10.0		79.5	10-153		0.00	30	
Acrylonitrile	11		"	10.0		111	51-150		2.32	30	
Benzene	11		"	10.0		105	85-126		2.26	30	
Bromochloromethane	10		"	10.0		104	77-128		2.18	30	
Bromodichloromethane	9.6		"	10.0		95.9	79-128		1.96	30	
Bromoform	9.7		"	10.0		97.0	78-133		1.53	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
LCS Dup (BB30528-BSD1) LCS Dup							Prepared & Analyzed: 02/09/2023				
Bromomethane	9.5		ug/L	10.0		94.9	43-168		4.33	30	
Carbon disulfide	11		"	10.0		115	68-146		6.09	30	
Carbon tetrachloride	10		"	10.0		104	77-141		5.15	30	
Chlorobenzene	10		"	10.0		99.8	88-120		1.89	30	
Chloroethane	11		"	10.0		106	65-136		4.97	30	
Chloroform	10		"	10.0		102	82-128		2.51	30	
Chloromethane	11		"	10.0		111	43-155		6.61	30	
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129		3.01	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		96.0	80-131		3.08	30	
Cyclohexane	10		"	10.0		104	63-149		4.60	30	
Dibromochloromethane	9.6		"	10.0		96.2	80-130		1.55	30	
Dibromomethane	9.6		"	10.0		95.7	72-134		0.417	30	
Dichlorodifluoromethane	12		"	10.0		117	44-144		6.11	30	
Ethyl Benzene	9.4		"	10.0		93.8	80-131		3.25	30	
Hexachlorobutadiene	9.9		"	10.0		99.4	67-146		0.00	30	
Isopropylbenzene	9.8		"	10.0		98.1	76-140		0.913	30	
Methyl acetate	9.3		"	10.0		93.4	51-139		0.429	30	
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		99.0	76-135		0.303	30	
Methylcyclohexane	9.6		"	10.0		96.4	72-143		4.26	30	
Methylene chloride	12		"	10.0		115	55-137		1.57	30	
n-Butylbenzene	11		"	10.0		106	79-132		0.760	30	
n-Propylbenzene	9.6		"	10.0		96.3	78-133		0.930	30	
o-Xylene	9.3		"	10.0		92.8	78-130		2.34	30	
p- & m- Xylenes	19		"	20.0		95.0	77-133		2.44	30	
p-Isopropyltoluene	9.6		"	10.0		96.3	81-136		0.518	30	
sec-Butylbenzene	9.8		"	10.0		98.4	79-137		0.102	30	
Styrene	9.6		"	10.0		95.7	67-132		2.07	30	
tert-Butyl alcohol (TBA)	52		"	50.0		105	25-162		0.592	30	
tert-Butylbenzene	9.7		"	10.0		96.9	77-138		0.103	30	
Tetrachloroethylene	5.0		"	10.0		49.6	82-131	Low Bias	3.95	30	
Toluene	9.4		"	10.0		94.5	80-127		2.92	30	
trans-1,2-Dichloroethylene	11		"	10.0		105	80-132		5.09	30	
trans-1,3-Dichloropropylene	9.6		"	10.0		96.4	78-131		1.65	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.3	63-141		0.108	30	
Trichloroethylene	8.9		"	10.0		89.3	82-128		4.27	30	
Trichlorofluoromethane	10		"	10.0		104	67-139		5.25	30	
Vinyl Chloride	11		"	10.0		114	58-145		5.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.87*		*"*	*10.0*		*98.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Matrix Spike (BB30528-MS1) Matrix Spike	*Source sample: 23A1484-02 (LMW-36_20230131)							Prepared & Analyzed: 02/09/2023			
1,1,1,2-Tetrachloroethane	13		ug/L	10.0	0.0	126	45-161				
1,1,1-Trichloroethane	15		"	10.0	0.0	151	70-146	High Bias			
1,1,2,2-Tetrachloroethane	14		"	10.0	0.0	137	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15		"	10.0	0.0	148	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	123	59-146				
1,1-Dichloroethane	14		"	10.0	0.0	144	54-146				
1,1-Dichloroethylene	16		"	10.0	0.0	158	44-165				
1,2,3-Trichlorobenzene	11		"	10.0	0.0	113	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	121	74-127				
1,2,4-Trichlorobenzene	11		"	10.0	0.0	105	41-161				
1,2,4-Trimethylbenzene	11		"	10.0	0.0	115	72-129				
1,2-Dibromo-3-chloropropane	12		"	10.0	0.0	123	31-151				
1,2-Dibromoethane	12		"	10.0	0.0	125	75-125				
1,2-Dichlorobenzene	12		"	10.0	0.0	115	63-122				
1,2-Dichloroethane	14		"	10.0	0.0	136	68-131	High Bias			
1,2-Dichloropropane	13		"	10.0	0.0	134	77-121	High Bias			
1,3,5-Trimethylbenzene	12		"	10.0	0.0	119	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119				
1,4-Dichlorobenzene	11		"	10.0	0.0	112	70-124				
1,4-Dioxane	280		"	210	2.7	133	10-310				
2-Butanone	11		"	10.0	0.0	112	10-193				
2-Hexanone	9.9		"	10.0	0.0	99.3	53-133				
4-Methyl-2-pentanone	12		"	10.0	0.0	123	38-150				
Acetone	6.0		"	10.0	0.57	53.8	13-149				
Acrolein	9.5		"	10.0	0.0	95.4	10-195				
Acrylonitrile	14		"	10.0	0.0	136	37-165				
Benzene	26		"	10.0	11	146	38-155				
Bromochloromethane	14		"	10.0	0.0	137	75-121	High Bias			
Bromodichloromethane	13		"	10.0	0.0	128	70-129				
Bromoform	12		"	10.0	0.0	124	66-136				
Bromomethane	9.9		"	10.0	0.0	98.9	30-158				
Carbon disulfide	16		"	10.0	0.0	163	10-138	High Bias			
Carbon tetrachloride	15		"	10.0	0.0	147	71-146	High Bias			
Chlorobenzene	13		"	10.0	0.0	132	81-117	High Bias			
Chloroethane	16		"	10.0	0.0	164	51-145	High Bias			
Chloroform	14		"	10.0	0.0	142	80-124	High Bias			
Chloromethane	14		"	10.0	0.0	144	16-163				
cis-1,2-Dichloroethylene	30		"	10.0	16	142	76-125	High Bias			
cis-1,3-Dichloropropylene	12		"	10.0	0.0	125	58-131				
Cyclohexane	15		"	10.0	0.88	142	70-130	High Bias			
Dibromochloromethane	13		"	10.0	0.0	125	71-129				
Dibromomethane	12		"	10.0	0.0	123	76-120	High Bias			
Dichlorodifluoromethane	15		"	10.0	0.0	149	30-147	High Bias			
Ethyl Benzene	13		"	10.0	0.57	128	72-128				
Hexachlorobutadiene	11		"	10.0	0.0	115	34-166				
Isopropylbenzene	13		"	10.0	0.33	130	66-139				
Methyl acetate	12		"	10.0	0.0	118	10-200				
Methyl tert-butyl ether (MTBE)	13		"	10.0	0.0	128	75-128				
Methylcyclohexane	13		"	10.0	0.57	121	70-130				
Methylene chloride	14		"	10.0	0.25	142	57-128	High Bias			
n-Butylbenzene	13		"	10.0	0.0	126	61-138				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Matrix Spike (BB30528-MS1) Matrix Spike	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared & Analyzed: 02/09/2023		
n-Propylbenzene	13		ug/L	10.0	0.0	125	66-134				
o-Xylene	13		"	10.0	0.0	126	69-126				
p- & m- Xylenes	26		"	20.0	0.20	127	67-130				
p-Isopropyltoluene	12		"	10.0	0.0	120	64-137				
sec-Butylbenzene	13		"	10.0	0.0	126	53-155				
Styrene	13		"	10.0	0.0	128	69-125	High Bias			
tert-Butyl alcohol (TBA)	70		"	50.0	0.0	141	10-130	High Bias			
tert-Butylbenzene	13		"	10.0	0.0	127	65-139				
Tetrachloroethylene	6.6		"	10.0	0.0	65.7	64-139				
Toluene	13		"	10.0	0.0	132	76-123	High Bias			
trans-1,2-Dichloroethylene	16		"	10.0	0.72	151	79-131	High Bias			
trans-1,3-Dichloropropylene	12		"	10.0	0.0	123	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	114	25-155				
Trichloroethylene	12		"	10.0	0.0	123	53-145				
Trichlorofluoromethane	15		"	10.0	0.0	150	61-142	High Bias			
Vinyl Chloride	280		"	10.0	280	17.5	31-165	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.60*		*"*	*10.0*		*96.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Matrix Spike Dup (BB30528-M Matrix Spike Dup	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	14		ug/L	10.0	0.0	135	45-161		7.29	30	
1,1,1-Trichloroethane	16		"	10.0	0.0	159	70-146	High Bias	5.28	30	
1,1,2,2-Tetrachloroethane	15		"	10.0	0.0	148	74-121	High Bias	7.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16		"	10.0	0.0	161	21-217		8.41	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	130	59-146		5.39	30	
1,1-Dichloroethane	15		"	10.0	0.0	151	54-146	High Bias	4.67	30	
1,1-Dichloroethylene	16		"	10.0	0.0	165	44-165		4.15	30	
1,2,3-Trichlorobenzene	13		"	10.0	0.0	127	40-161		12.3	30	
1,2,3-Trichloropropane	13		"	10.0	0.0	132	74-127	High Bias	8.52	30	
1,2,4-Trichlorobenzene	12		"	10.0	0.0	117	41-161		10.2	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	124	72-129		8.19	30	
1,2-Dibromo-3-chloropropane	13		"	10.0	0.0	134	31-151		8.51	30	
1,2-Dibromoethane	13		"	10.0	0.0	133	75-125	High Bias	6.36	30	
1,2-Dichlorobenzene	12		"	10.0	0.0	125	63-122	High Bias	8.09	30	
1,2-Dichloroethane	14		"	10.0	0.0	143	68-131	High Bias	4.65	30	
1,2-Dichloropropane	14		"	10.0	0.0	142	77-121	High Bias	5.71	30	
1,3,5-Trimethylbenzene	13		"	10.0	0.0	129	69-126	High Bias	7.97	30	
1,3-Dichlorobenzene	12		"	10.0	0.0	124	74-119	High Bias	8.15	30	
1,4-Dichlorobenzene	12		"	10.0	0.0	122	70-124		8.11	30	
1,4-Dioxane	300		"	210	2.7	143	10-310		6.55	30	
2-Butanone	11		"	10.0	0.0	114	10-193		1.85	30	
2-Hexanone	11		"	10.0	0.0	108	53-133		8.02	30	
4-Methyl-2-pentanone	13		"	10.0	0.0	133	38-150		7.82	30	
Acetone	6.3		"	10.0	0.57	57.6	13-149		6.82	30	
Acrolein	10		"	10.0	0.0	103	10-195		7.95	30	
Acrylonitrile	15		"	10.0	0.0	152	37-165		11.1	30	
Benzene	27		"	10.0	11	154	38-155		4.99	30	
Bromochloromethane	14		"	10.0	0.0	144	75-121	High Bias	5.34	30	
Bromodichloromethane	14		"	10.0	0.0	137	70-129	High Bias	6.27	30	
Bromoform	13		"	10.0	0.0	134	66-136		8.38	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30528 - EPA 5030B											
Matrix Spike Dup (BB30528-M Matrix Spike Dup	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared & Analyzed: 02/09/2023		
Bromomethane	12		ug/L	10.0	0.0	118	30-158		17.7	30	
Carbon disulfide	17		"	10.0	0.0	172	10-138	High Bias	5.61	30	
Carbon tetrachloride	16		"	10.0	0.0	156	71-146	High Bias	5.54	30	
Chlorobenzene	14		"	10.0	0.0	142	81-117	High Bias	6.85	30	
Chloroethane	16		"	10.0	0.0	165	51-145	High Bias	0.548	30	
Chloroform	15		"	10.0	0.0	149	80-124	High Bias	4.74	30	
Chloromethane	15		"	10.0	0.0	148	16-163		2.67	30	
cis-1,2-Dichloroethylene	31		"	10.0	16	153	76-125	High Bias	7.06	30	
cis-1,3-Dichloropropylene	13		"	10.0	0.0	133	58-131	High Bias	6.59	30	
Cyclohexane	16		"	10.0	0.88	154	70-130	High Bias	7.91	30	
Dibromochloromethane	13		"	10.0	0.0	134	71-129	High Bias	7.01	30	
Dibromomethane	13		"	10.0	0.0	131	76-120	High Bias	6.15	30	
Dichlorodifluoromethane	16		"	10.0	0.0	158	30-147	High Bias	6.25	30	
Ethyl Benzene	14		"	10.0	0.57	137	72-128	High Bias	7.18	30	
Hexachlorobutadiene	13		"	10.0	0.0	128	34-166		11.0	30	
Isopropylbenzene	14		"	10.0	0.33	141	66-139	High Bias	8.27	30	
Methyl acetate	12		"	10.0	0.0	124	10-200		5.70	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	137	75-128	High Bias	6.57	30	
Methylcyclohexane	14		"	10.0	0.57	134	70-130	High Bias	9.57	30	
Methylene chloride	15		"	10.0	0.25	148	57-128	High Bias	4.06	30	
n-Butylbenzene	14		"	10.0	0.0	140	61-138	High Bias	10.4	30	
n-Propylbenzene	14		"	10.0	0.0	136	66-134	High Bias	8.04	30	
o-Xylene	13		"	10.0	0.0	134	69-126	High Bias	6.22	30	
p- & m- Xylenes	27		"	20.0	0.20	136	67-130	High Bias	6.39	30	
p-Isopropyltoluene	13		"	10.0	0.0	132	64-137		8.81	30	
sec-Butylbenzene	14		"	10.0	0.0	138	53-155		9.24	30	
Styrene	14		"	10.0	0.0	137	69-125	High Bias	6.62	30	
tert-Butyl alcohol (TBA)	76		"	50.0	0.0	152	10-130	High Bias	7.56	30	
tert-Butylbenzene	14		"	10.0	0.0	138	65-139		8.22	30	
Tetrachloroethylene	7.0		"	10.0	0.0	70.0	64-139		6.34	30	
Toluene	14		"	10.0	0.0	140	76-123	High Bias	5.83	30	
trans-1,2-Dichloroethylene	17		"	10.0	0.72	158	79-131	High Bias	4.53	30	
trans-1,3-Dichloropropylene	13		"	10.0	0.0	132	55-130	High Bias	6.74	30	
trans-1,4-dichloro-2-butene	12		"	10.0	0.0	124	25-155		8.34	30	
Trichloroethylene	13		"	10.0	0.0	131	53-145		6.37	30	
Trichlorofluoromethane	15		"	10.0	0.0	155	61-142	High Bias	2.89	30	
Vinyl Chloride	290		"	10.0	280	97.1	31-165		139	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
Blank (BB30566-BLK1) Blank									Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	2.6	2.0	"								
n-Butylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
Blank (BB30566-BLK1) Blank									Prepared & Analyzed: 02/09/2023		
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BB30566-BS1) LCS									Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.7	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.2		"	10.0		92.5	82-123				
1,1-Dichloroethane	10		"	10.0		103	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	9.8		"	10.0		98.3	40-130				
1,2,3-Trichloropropane	9.2		"	10.0		92.5	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		93.3	65-137				
1,2,4-Trimethylbenzene	9.3		"	10.0		92.8	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		92.7	45-147				
1,2-Dibromoethane	9.4		"	10.0		93.7	83-124				
1,2-Dichlorobenzene	9.3		"	10.0		92.9	79-123				
1,2-Dichloroethane	10		"	10.0		101	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		95.8	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		93.6	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		92.1	85-130				
1,4-Dioxane	210		"	210		100	10-349				
2-Butanone	6.9		"	10.0		68.6	49-152				
2-Hexanone	7.7		"	10.0		76.8	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		93.0	57-145				
Acetone	4.6		"	10.0		45.8	14-150				
Acrolein	7.8		"	10.0		78.2	10-153				
Acrylonitrile	10		"	10.0		102	51-150				
Benzene	11		"	10.0		107	85-126				
Bromochloromethane	10		"	10.0		104	77-128				
Bromodichloromethane	9.6		"	10.0		95.7	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
LCS (BB30566-BS1) LCS							Prepared & Analyzed: 02/09/2023				
Bromoform	9.2		ug/L	10.0		92.3	78-133				
Bromomethane	10		"	10.0		101	43-168				
Carbon disulfide	12		"	10.0		121	68-146				
Carbon tetrachloride	11		"	10.0		108	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	11		"	10.0		115	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	12		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.4		"	10.0		93.5	80-131				
Cyclohexane	11		"	10.0		113	63-149				
Dibromochloromethane	9.4		"	10.0		93.8	80-130				
Dibromomethane	9.2		"	10.0		92.4	72-134				
Dichlorodifluoromethane	14		"	10.0		136	44-144				
Ethyl Benzene	9.6		"	10.0		96.5	80-131				
Hexachlorobutadiene	10		"	10.0		101	67-146				
Isopropylbenzene	10		"	10.0		102	76-140				
Methyl acetate	8.7		"	10.0		86.7	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		100	76-135				
Methylcyclohexane	10		"	10.0		103	72-143				
Methylene chloride	17		"	10.0		166	55-137	High Bias			
n-Butylbenzene	11		"	10.0		111	79-132				
n-Propylbenzene	10		"	10.0		101	78-133				
o-Xylene	9.5		"	10.0		95.3	78-130				
p- & m- Xylenes	19		"	20.0		97.1	77-133				
p-Isopropyltoluene	10		"	10.0		101	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	9.6		"	10.0		96.3	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	5.1		"	10.0		50.8	82-131	Low Bias			
Toluene	9.7		"	10.0		97.2	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	9.2		"	10.0		92.2	78-131				
trans-1,4-dichloro-2-butene	9.4		"	10.0		93.8	63-141				
Trichloroethylene	9.1		"	10.0		91.0	82-128				
Trichlorofluoromethane	11		"	10.0		111	67-139				
Vinyl Chloride	13		"	10.0		129	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.73*		*"*	*10.0*		*97.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.59*		*"*	*10.0*		*95.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
LCS Dup (BB30566-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2023			
1,1,1,2-Tetrachloroethane	8.8		ug/L	10.0		88.3	82-126		5.93	30	
1,1,1-Trichloroethane	10		"	10.0		101	78-136		7.06	30	
1,1,2,2-Tetrachloroethane	9.9		"	10.0		98.7	76-129		5.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		109	54-165		6.91	30	
1,1,2-Trichloroethane	8.8		"	10.0		87.6	82-123		5.44	30	
1,1-Dichloroethane	9.7		"	10.0		97.3	82-129		5.89	30	
1,1-Dichloroethylene	11		"	10.0		107	68-138		7.37	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		91.5	40-130		7.17	30	
1,2,3-Trichloropropane	8.8		"	10.0		87.6	77-128		5.44	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		88.4	65-137		5.39	30	
1,2,4-Trimethylbenzene	8.7		"	10.0		86.7	82-132		6.80	30	
1,2-Dibromo-3-chloropropane	8.9		"	10.0		89.0	45-147		4.07	30	
1,2-Dibromoethane	9.0		"	10.0		89.5	83-124		4.59	30	
1,2-Dichlorobenzene	8.8		"	10.0		88.3	79-123		5.08	30	
1,2-Dichloroethane	9.7		"	10.0		96.7	73-132		4.45	30	
1,2-Dichloropropane	9.4		"	10.0		93.7	78-126		6.50	30	
1,3,5-Trimethylbenzene	9.0		"	10.0		89.6	80-131		6.69	30	
1,3-Dichlorobenzene	8.8		"	10.0		88.2	86-130		5.94	30	
1,4-Dichlorobenzene	8.7		"	10.0		86.6	85-130		6.16	30	
1,4-Dioxane	210		"	210		99.3	10-349		0.797	30	
2-Butanone	6.5		"	10.0		65.3	49-152		4.93	30	
2-Hexanone	7.4		"	10.0		73.6	51-146		4.26	30	
4-Methyl-2-pentanone	9.0		"	10.0		90.1	57-145		3.17	30	
Acetone	4.4		"	10.0		44.2	14-150		3.56	30	
Acrolein	7.5		"	10.0		75.4	10-153		3.65	30	
Acrylonitrile	10		"	10.0		105	51-150		2.61	30	
Benzene	10		"	10.0		101	85-126		5.85	30	
Bromochloromethane	9.9		"	10.0		99.2	77-128		4.44	30	
Bromodichloromethane	9.0		"	10.0		89.8	79-128		6.36	30	
Bromoform	8.8		"	10.0		88.3	78-133		4.43	30	
Bromomethane	9.6		"	10.0		96.5	43-168		4.16	30	
Carbon disulfide	11		"	10.0		112	68-146		7.56	30	
Carbon tetrachloride	10		"	10.0		99.8	77-141		7.89	30	
Chlorobenzene	9.5		"	10.0		94.7	88-120		6.14	30	
Chloroethane	11		"	10.0		107	65-136		6.77	30	
Chloroform	9.9		"	10.0		98.6	82-128		5.62	30	
Chloromethane	12		"	10.0		116	43-155		4.79	30	
cis-1,2-Dichloroethylene	10		"	10.0		99.9	83-129		6.02	30	
cis-1,3-Dichloropropylene	8.8		"	10.0		88.0	80-131		6.06	30	
Cyclohexane	11		"	10.0		106	63-149		6.58	30	
Dibromochloromethane	8.9		"	10.0		88.7	80-130		5.59	30	
Dibromomethane	8.8		"	10.0		88.0	72-134		4.88	30	
Dichlorodifluoromethane	13		"	10.0		126	44-144		7.38	30	
Ethyl Benzene	9.0		"	10.0		90.4	80-131		6.53	30	
Hexachlorobutadiene	9.4		"	10.0		93.5	67-146		8.11	30	
Isopropylbenzene	9.5		"	10.0		94.9	76-140		7.41	30	
Methyl acetate	8.4		"	10.0		83.8	51-139		3.40	30	
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.7	76-135		3.65	30	
Methylcyclohexane	9.5		"	10.0		95.1	72-143		7.59	30	
Methylene chloride	18		"	10.0		178	55-137	High Bias	6.46	30	
n-Butylbenzene	10		"	10.0		104	79-132		6.49	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
LCS Dup (BB30566-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2023			
n-Propylbenzene	9.3		ug/L	10.0		93.2	78-133		7.64	30	
o-Xylene	8.9		"	10.0		89.2	78-130		6.61	30	
p- & m- Xylenes	18		"	20.0		91.1	77-133		6.38	30	
p-Isopropyltoluene	9.4		"	10.0		94.0	81-136		6.88	30	
sec-Butylbenzene	9.7		"	10.0		96.6	79-137		7.19	30	
Styrene	9.1		"	10.0		90.8	67-132		5.88	30	
tert-Butyl alcohol (TBA)	51		"	50.0		102	25-162		5.19	30	
tert-Butylbenzene	9.5		"	10.0		94.7	77-138		7.23	30	
Tetrachloroethylene	4.7		"	10.0		47.4	82-131	Low Bias	6.92	30	
Toluene	9.1		"	10.0		90.6	80-127		7.03	30	
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132		6.43	30	
trans-1,3-Dichloropropylene	8.8		"	10.0		87.7	78-131		5.00	30	
trans-1,4-dichloro-2-butene	8.8		"	10.0		87.7	63-141		6.72	30	
Trichloroethylene	8.4		"	10.0		84.4	82-128		7.53	30	
Trichlorofluoromethane	10		"	10.0		103	67-139		7.10	30	
Vinyl Chloride	12		"	10.0		119	58-145		8.06	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.70*		*"*	*10.0*		*97.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Batch BB30611 - EPA 5030B											
Blank (BB30611-BLK1) Blank								Prepared & Analyzed: 02/10/2023			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30611 - EPA 5030B											
Blank (BB30611-BLK1) Blank									Prepared & Analyzed: 02/10/2023		
Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.48*		*"*	*10.0*		*94.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30611 - EPA 5030B											
LCS (BB30611-BS1) LCS							Prepared & Analyzed: 02/10/2023				
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		92.9	82-126				
1,1,1-Trichloroethane	11		"	10.0		113	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		124	54-165				
1,1,2-Trichloroethane	9.2		"	10.0		92.4	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	12		"	10.0		120	68-138				
1,2,3-Trichlorobenzene	9.3		"	10.0		92.9	40-130				
1,2,3-Trichloropropane	9.2		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	9.0		"	10.0		89.8	65-137				
1,2,4-Trimethylbenzene	9.0		"	10.0		90.1	82-132				
1,2-Dibromo-3-chloropropane	9.2		"	10.0		92.0	45-147				
1,2-Dibromoethane	9.4		"	10.0		93.8	83-124				
1,2-Dichlorobenzene	9.1		"	10.0		91.3	79-123				
1,2-Dichloroethane	10		"	10.0		104	73-132				
1,2-Dichloropropane	9.9		"	10.0		99.2	78-126				
1,3,5-Trimethylbenzene	9.2		"	10.0		91.9	80-131				
1,3-Dichlorobenzene	9.2		"	10.0		91.5	86-130				
1,4-Dichlorobenzene	9.0		"	10.0		90.5	85-130				
1,4-Dioxane	210		"	210		98.0	10-349				
2-Butanone	7.1		"	10.0		71.0	49-152				
2-Hexanone	7.5		"	10.0		75.4	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		93.2	57-145				
Acetone	4.2		"	10.0		42.5	14-150				
Acrolein	8.0		"	10.0		80.3	10-153				
Acrylonitrile	11		"	10.0		109	51-150				
Benzene	11		"	10.0		110	85-126				
Bromochloromethane	11		"	10.0		109	77-128				
Bromodichloromethane	9.5		"	10.0		95.2	79-128				
Bromoform	9.3		"	10.0		92.9	78-133				
Bromomethane	5.5		"	10.0		55.2	43-168				
Carbon disulfide	13		"	10.0		128	68-146				
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	10		"	10.0		99.5	88-120				
Chloroethane	11		"	10.0		115	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	10		"	10.0		99.9	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	9.6		"	10.0		95.6	80-131				
Cyclohexane	12		"	10.0		116	63-149				
Dibromochloromethane	9.4		"	10.0		93.5	80-130				
Dibromomethane	9.2		"	10.0		92.1	72-134				
Dichlorodifluoromethane	13		"	10.0		130	44-144				
Ethyl Benzene	9.5		"	10.0		94.7	80-131				
Hexachlorobutadiene	9.9		"	10.0		98.8	67-146				
Isopropylbenzene	9.8		"	10.0		97.8	76-140				
Methyl acetate	14		"	10.0		141	51-139	High Bias			
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	10		"	10.0		102	72-143				
Methylene chloride	11		"	10.0		111	55-137				
n-Butylbenzene	10		"	10.0		105	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30611 - EPA 5030B											
LCS (BB30611-BS1) LCS							Prepared & Analyzed: 02/10/2023				
n-Propylbenzene	9.6		ug/L	10.0		95.7	78-133				
o-Xylene	9.3		"	10.0		93.3	78-130				
p- & m- Xylenes	19		"	20.0		94.9	77-133				
p-Isopropyltoluene	9.4		"	10.0		94.1	81-136				
sec-Butylbenzene	9.6		"	10.0		95.8	79-137				
Styrene	9.6		"	10.0		95.9	67-132				
tert-Butyl alcohol (TBA)	53		"	50.0		107	25-162				
tert-Butylbenzene	9.5		"	10.0		95.1	77-138				
Tetrachloroethylene	5.1		"	10.0		50.9	82-131	Low Bias			
Toluene	9.6		"	10.0		96.1	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.3	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.2	63-141				
Trichloroethylene	9.2		"	10.0		91.6	82-128				
Trichlorofluoromethane	11		"	10.0		114	67-139				
Vinyl Chloride	13		"	10.0		126	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.55*		*"*	*10.0*		*95.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.41*		*"*	*10.0*		*94.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
LCS Dup (BB30611-BSD1) LCS Dup							Prepared & Analyzed: 02/10/2023				
1,1,1,2-Tetrachloroethane	8.9		ug/L	10.0		89.4	82-126		3.84	30	
1,1,1-Trichloroethane	10		"	10.0		105	78-136		6.99	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		2.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		7.74	30	
1,1,2-Trichloroethane	8.9		"	10.0		89.3	82-123		3.41	30	
1,1-Dichloroethane	9.9		"	10.0		99.3	82-129		6.81	30	
1,1-Dichloroethylene	11		"	10.0		111	68-138		7.80	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		91.6	40-130		1.41	30	
1,2,3-Trichloropropane	8.9		"	10.0		89.1	77-128		2.99	30	
1,2,4-Trichlorobenzene	8.7		"	10.0		87.2	65-137		2.94	30	
1,2,4-Trimethylbenzene	8.6		"	10.0		86.2	82-132		4.42	30	
1,2-Dibromo-3-chloropropane	8.9		"	10.0		89.4	45-147		2.87	30	
1,2-Dibromoethane	9.1		"	10.0		91.1	83-124		2.92	30	
1,2-Dichlorobenzene	8.8		"	10.0		87.5	79-123		4.25	30	
1,2-Dichloroethane	10		"	10.0		100	73-132		4.00	30	
1,2-Dichloropropane	9.5		"	10.0		94.8	78-126		4.54	30	
1,3,5-Trimethylbenzene	8.8		"	10.0		88.0	80-131		4.34	30	
1,3-Dichlorobenzene	8.7		"	10.0		87.4	86-130		4.58	30	
1,4-Dichlorobenzene	8.7		"	10.0		86.6	85-130		4.40	30	
1,4-Dioxane	210		"	210		98.0	10-349		0.0826	30	
2-Butanone	6.9		"	10.0		68.8	49-152		3.15	30	
2-Hexanone	7.4		"	10.0		73.9	51-146		2.01	30	
4-Methyl-2-pentanone	9.0		"	10.0		90.4	57-145		3.05	30	
Acetone	4.1		"	10.0		41.4	14-150		2.62	30	
Acrolein	7.8		"	10.0		77.6	10-153		3.42	30	
Acrylonitrile	11		"	10.0		106	51-150		3.35	30	
Benzene	10		"	10.0		104	85-126		5.91	30	
Bromochloromethane	10		"	10.0		102	77-128		6.74	30	
Bromodichloromethane	9.1		"	10.0		91.3	79-128		4.18	30	
Bromoform	9.0		"	10.0		89.6	78-133		3.62	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30611 - EPA 5030B											
LCS Dup (BB30611-BSD1) LCS Dup							Prepared & Analyzed: 02/10/2023				
Bromomethane	5.7		ug/L	10.0		56.7	43-168		2.68	30	
Carbon disulfide	12		"	10.0		118	68-146		8.21	30	
Carbon tetrachloride	10		"	10.0		103	77-141		7.99	30	
Chlorobenzene	9.6		"	10.0		95.8	88-120		3.79	30	
Chloroethane	11		"	10.0		108	65-136		6.20	30	
Chloroform	10		"	10.0		101	82-128		4.75	30	
Chloromethane	9.0		"	10.0		90.2	43-155		10.2	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		6.32	30	
cis-1,3-Dichloropropylene	9.2		"	10.0		92.1	80-131		3.73	30	
Cyclohexane	11		"	10.0		108	63-149		7.59	30	
Dibromochloromethane	9.0		"	10.0		90.0	80-130		3.81	30	
Dibromomethane	8.9		"	10.0		89.0	72-134		3.42	30	
Dichlorodifluoromethane	12		"	10.0		119	44-144		8.81	30	
Ethyl Benzene	9.1		"	10.0		90.7	80-131		4.31	30	
Hexachlorobutadiene	9.4		"	10.0		94.4	67-146		4.55	30	
Isopropylbenzene	9.4		"	10.0		93.7	76-140		4.28	30	
Methyl acetate	9.0		"	10.0		90.1	51-139		43.8	30	Non-dir.
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		98.3	76-135		3.40	30	
Methylcyclohexane	9.7		"	10.0		96.7	72-143		5.63	30	
Methylene chloride	11		"	10.0		106	55-137		5.08	30	
n-Butylbenzene	9.8		"	10.0		98.2	79-132		6.41	30	
n-Propylbenzene	9.2		"	10.0		92.4	78-133		3.51	30	
o-Xylene	8.9		"	10.0		89.1	78-130		4.61	30	
p- & m- Xylenes	18		"	20.0		91.0	77-133		4.14	30	
p-Isopropyltoluene	9.1		"	10.0		91.0	81-136		3.35	30	
sec-Butylbenzene	9.3		"	10.0		92.6	79-137		3.40	30	
Styrene	9.2		"	10.0		91.9	67-132		4.26	30	
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162		2.16	30	
tert-Butylbenzene	9.2		"	10.0		91.5	77-138		3.86	30	
Tetrachloroethylene	4.8		"	10.0		48.5	82-131	Low Bias	4.83	30	
Toluene	9.1		"	10.0		91.1	80-127		5.34	30	
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132		7.23	30	
trans-1,3-Dichloropropylene	9.1		"	10.0		91.0	78-131		2.50	30	
trans-1,4-dichloro-2-butene	8.8		"	10.0		87.6	63-141		5.12	30	
Trichloroethylene	8.6		"	10.0		86.2	82-128		6.07	30	
Trichlorofluoromethane	11		"	10.0		105	67-139		8.38	30	
Vinyl Chloride	12		"	10.0		117	58-145		7.23	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.47*		*"*	*10.0*		*94.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30241 - Preparation for GC Analysis											
Blank (BB30241-BLK1) Blank									Prepared & Analyzed: 02/04/2023		
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BB30241-DUP1) Duplicate	*Source sample: 23B0051-07 (Duplicate)								Prepared & Analyzed: 02/04/2023		
Methane	150	10	ug/L		130				12.2	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30021 - EPA 3015A												
Blank (BB30021-BLK1)	Blank									Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		ND	0.278	mg/L								
Manganese - Dissolved		ND	0.00556	"								
LCS (BB30021-BS1)	LCS									Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		0.942		ug/mL	1.00		94.2	80-120				
Manganese - Dissolved		0.480		"	0.500		95.9	80-120				
Duplicate (BB30021-DUP1)	Duplicate	*Source sample: 23A1484-01 (LMW-35_20230131)								Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		1.56	0.278	mg/L		1.61				3.18	20	
Manganese - Dissolved		0.165	0.00556	"		0.169				2.47	20	
Matrix Spike (BB30021-MS1)	Matrix Spike	*Source sample: 23A1484-01 (LMW-35_20230131)								Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		2.55	0.278	mg/L	1.11	1.61	84.3	75-125				
Manganese - Dissolved		0.690	0.00556	"	0.556	0.169	93.8	75-125				
Post Spike (BB30021-PS1)	Post Spike	*Source sample: 23A1484-01 (LMW-35_20230131)								Prepared: 02/01/2023 Analyzed: 02/03/2023		
Iron - Dissolved		2.59		ug/mL	1.00	1.45	114	75-125				
Manganese - Dissolved		0.717		"	0.500	0.152	113	75-125				
Batch BB30109 - EPA 3015A												
Blank (BB30109-BLK1)	Blank									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron		ND	0.278	mg/L								
Manganese		ND	0.00556	"								
LCS (BB30109-BS1)	LCS									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron		0.938		ug/mL	1.00		93.8	80-120				
Manganese		0.478		"	0.500		95.6	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30109 - EPA 3015A											
Duplicate (BB30109-DUP1) Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	2.20	0.278	mg/L		2.29				3.80	20	
Manganese	0.261	0.00556	"		0.263				0.772	20	
Matrix Spike (BB30109-MS1) Matrix Spike	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	3.22	0.278	mg/L	1.11	2.29	83.6	75-125				
Manganese	0.785	0.00556	"	0.556	0.263	94.0	75-125				
Post Spike (BB30109-PS1) Post Spike	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	3.02		ug/mL	1.00	2.06	95.9	75-125				
Manganese	0.741		"	0.500	0.237	101	75-125				
Batch BB30255 - EPA 3015A											
Blank (BB30255-BLK1) Blank									Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	ND	0.278	mg/L								
Manganese - Dissolved	ND	0.00556	"								
LCS (BB30255-BS1) LCS									Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	0.950		ug/mL	1.00		95.0	80-120				
Manganese - Dissolved	0.476		"	0.500		95.2	80-120				
Duplicate (BB30255-DUP1) Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	2.09	0.278	mg/L		2.13				2.10	20	
Manganese - Dissolved	0.263	0.00556	"		0.268				1.99	20	
Matrix Spike (BB30255-MS1) Matrix Spike	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	3.36	0.278	mg/L	1.11	2.13	111	75-125				
Manganese - Dissolved	0.801	0.00556	"	0.556	0.268	96.0	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30255 - EPA 3015A											
Post Spike (BB30255-PS1) Post Spike	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	2.93		ug/mL	1.00	1.92	101	75-125				
Manganese - Dissolved	0.760		"	0.500	0.241	104	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30060 - EPA 300												
Blank (BB30060-BLK1)	Blank								Prepared & Analyzed: 01/31/2023			
Nitrate as N		ND	0.0500	mg/L								
Nitrite as N		ND	0.0500	"								
LCS (BB30060-BS1)	LCS								Prepared & Analyzed: 01/31/2023			
Nitrate as N		10.0	0.0500	mg/L	10.0		100	90-110				
Nitrite as N		10.3	0.0500	"	10.0		103	90-110				
Duplicate (BB30060-DUP1)	Duplicate	*Source sample: 23A1461-01 (Duplicate)							Prepared & Analyzed: 01/31/2023			
Nitrate as N		4.17	0.0500	mg/L		4.14				0.688	15	
Nitrite as N		0.0665	0.0500	"		0.0684				2.82	15	
Duplicate (BB30060-DUP2)	Duplicate	*Source sample: 23A1461-02 (Duplicate)							Prepared & Analyzed: 01/31/2023			
Nitrate as N		0.597	0.0500	mg/L		0.516				14.7	15	
Nitrite as N		0.264	0.0500	"		0.254				3.94	15	
Matrix Spike (BB30060-MS1)	Matrix Spike	*Source sample: 23A1461-01 (Matrix Spike)							Prepared & Analyzed: 01/31/2023			
Nitrate as N		14.1	0.0500	mg/L	10.0	4.14	99.5	90-110				
Nitrite as N		9.98	0.0500	"	10.0	0.0684	99.1	90-110				
Matrix Spike (BB30060-MS2)	Matrix Spike	*Source sample: 23A1461-02 (Matrix Spike)							Prepared & Analyzed: 01/31/2023			
Nitrate as N		9.71	0.0500	mg/L	10.0	0.516	91.9	90-110				
Nitrite as N		9.68	0.0500	"	10.0	0.254	94.3	90-110				
Batch BB30062 - EPA 300												
Blank (BB30062-BLK1)	Blank								Prepared & Analyzed: 02/01/2023			
Chloride		ND	0.500	mg/L								
Nitrate as N		ND	0.0500	"								
Nitrite as N		ND	0.0500	"								
Sulfate		ND	1.00	"								

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30062 - EPA 300											
LCS (BB30062-BS1) LCS								Prepared & Analyzed: 02/01/2023			
Chloride	9.77	0.500	mg/L	10.0		97.7	90-110				
Nitrate as N	10.0	0.0500	"	10.0		100	90-110				
Nitrite as N	10.4	0.0500	"	10.0		104	90-110				
Sulfate	9.61	1.00	"	10.0		96.1	85-115				
Batch BB30308 - EPA 300											
Blank (BB30308-BLK1) Blank								Prepared & Analyzed: 02/03/2023			
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BB30308-BS1) LCS								Prepared & Analyzed: 02/03/2023			
Chloride	9.68	0.500	mg/L	10.0		96.8	90-110				
Nitrate as N	9.97	0.0500	"	10.0		99.7	90-110				
Nitrite as N	10.2	0.0500	"	10.0		102	90-110				
Sulfate	9.50	1.00	"	10.0		95.0	85-115				
Duplicate (BB30308-DUP1) Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)							Prepared & Analyzed: 02/03/2023			
Chloride	81.1	25.0	mg/L		92.0				12.5	15	
Nitrate as N	ND	2.50	"		ND					15	
Nitrite as N	ND	2.50	"		ND					15	
Sulfate	321	50.0	"		347				7.69	15	
Duplicate (BB30308-DUP2) Duplicate	*Source sample: 23A1484-08RE1 (FB_20230131)							Prepared & Analyzed: 02/03/2023			
Chloride	ND	0.500	mg/L		ND					15	
Nitrate as N	ND	0.0500	"		ND					15	
Nitrite as N	ND	0.0500	"		ND					15	
Sulfate	ND	1.00	"		ND					15	

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30308 - EPA 300											
Matrix Spike (BB30308-MS1) Matrix Spike	*Source sample: 23A1484-02 (LMW-36_20230131)							Prepared & Analyzed: 02/03/2023			
Chloride	11.7	0.500	mg/L	10.0	92.0	NR	85-115	Low Bias			
Nitrate as N	10.0	0.0500	"	10.0	0.212	97.8	90-110				
Nitrite as N	10.2	0.0500	"	10.0	ND	102	90-110				
Sulfate	16.5	1.00	"	10.0	347	NR	85-115	Low Bias			
Matrix Spike (BB30308-MS2) Matrix Spike	*Source sample: 23A1484-08RE1 (FB_20230131)							Prepared & Analyzed: 02/03/2023			
Chloride	9.00	0.500	mg/L	10.0	ND	90.0	85-115				
Nitrate as N	9.23	0.0500	"	10.0	ND	92.3	90-110				
Nitrite as N	9.51	0.0500	"	10.0	ND	95.1	90-110				
Sulfate	8.84	1.00	"	10.0	ND	88.4	85-115				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30033 - Analysis Preparation												
Blank (BB30033-BLK1)	Blank									Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		ND	1.00	mg/L								
Duplicate (BB30033-DUP1)	Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		4.94	1.00	mg/L		5.05				2.20	15	
Matrix Spike (BB30033-MS1)	Matrix Spike	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		23.5		mg/L	20.0	5.05	92.2	85-115				
Reference (BB30033-SRM1)	Reference									Prepared: 02/01/2023 Analyzed: 02/08/2023		
Total Organic Carbon (TOC)		75.8		mg/L	79.2		95.7	83.96-115				
Batch BB30107 - Analysis Preparation												
Duplicate (BB30107-DUP1)	Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared & Analyzed: 02/02/2023		
Alkalinity, total		220	2.0	mg/L		220				0.00	15	
Reference (BB30107-SRM1)	Reference									Prepared & Analyzed: 02/02/2023		
Alkalinity, total		170		mg/L	178		96.6	90-110				
Batch BB30152 - Analysis Preparation												
Duplicate (BB30152-DUP1)	Duplicate	*Source sample: 23A1442-01 (Duplicate)								Prepared & Analyzed: 02/02/2023		
pH		6.75	0.500	pH units		6.73				0.297	10	
Batch BB30257 - Analysis Preparation												
Blank (BB30257-BLK1)	Blank									Prepared & Analyzed: 02/06/2023		
Sulfide		ND	1.0	mg/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30257 - Analysis Preparation											
LCS (BB30257-BS1)	LCS								Prepared & Analyzed: 02/06/2023		
Sulfide	40	1.0	mg/L	50.0		80.0	80-120				
Duplicate (BB30257-DUP1)	Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)							Prepared & Analyzed: 02/06/2023		
Sulfide	2.9	1.0	mg/L		2.9				0.00	15	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30078 - % Solids Prep												
Blank (BB30078-BLK1)	Blank									Prepared & Analyzed: 02/01/2023		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BB30078-DUP1)	Duplicate	*Source sample: 23A1267-03 (Duplicate)								Prepared & Analyzed: 02/01/2023		
Total Dissolved Solids		233	10.0	mg/L		238				2.12	15	
Duplicate (BB30078-DUP2)	Duplicate	*Source sample: 23A1484-02 (LMW-36_20230131)								Prepared & Analyzed: 02/01/2023		
Total Dissolved Solids		935	10.0	mg/L		932				0.321	15	
Batch BB30326 - % Solids Prep												
Blank (BB30326-BLK1)	Blank									Prepared & Analyzed: 02/06/2023		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BB30326-DUP1)	Duplicate	*Source sample: 23A1484-04 (LMW-48_20230131)								Prepared & Analyzed: 02/06/2023		
Total Dissolved Solids		710	10.0	mg/L		704				0.849	15	
Duplicate (BB30326-DUP2)	Duplicate	*Source sample: 23B0117-01 (Duplicate)								Prepared & Analyzed: 02/06/2023		
Total Dissolved Solids		593	10.0	mg/L		602				1.51	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23A1484-01	LMW-35_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-02	LMW-36_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-03	LMW-37_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-04	LMW-48_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-05	LMW-49_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-06	DUP_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-07	TB_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23A1484-08	FB_20230131	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
CONT-02	Alkalinity was performed on a sample from a container with head space.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23A1484

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN	Company:	Company:	100766601	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ	Address: SAME	Address: SAME	YOUR Project Name: 23-30 Borden Ave	RUSH - Two Day
Phone: 973-560-4906	Phone:	Phone:		RUSH - Three Day
Contact: Aroona Boodram	Contact:	Contact:		RUSH - Four D
E-mail: aboodram@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York (X); New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YOR

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
LMW-35_20230131	GW	1/31/23 1154	VOCs, total+dissolved iron, total+dissolved manganese, nitrite, nitrate, sulfate, sulfide, chloride, methane, ethane, ethene, TOC, TDS, alkalinity	4x 250mL plastic
** LMW-36_20230131		0935		8x vials
LMW-37_20230131		1520		
LMW-48_20230131		1220		
LMW-49_20230131		1415		
DUP_20230131	↓	—	↓	↓
TB_20230131	—	—	VOCs	2x vials
FB_20230131	—	—	(same as first sample)	(same as first sample)

Comments: all samples may contain EVO+ZVI.
Firm 5-DAY TAT
** extra volume for MS/MSD
please also run pH on LMW-37-20230131

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ✓ ZnAc ✓ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ✓

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LANGAN	1/31/23	York Lab	1/31/23 1541	York Lab	1/31/23 16:49
Victor D. York	1/31/23 16:49	3. Samples Relinquished by / Company: Victor D. York	1/31/23 1930	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					1/31/23 1930 1.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Report Date: 02/10/2023
Client Project ID: 100766601
York Project (SDG) No.: 23B0051

Report Date: 02/10/2023
Client Project ID: 100766601
York Project (SDG) No.: 23B0051

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Aroona Boodram

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 01, 2023 and listed below. The project was identified as your project: **100766601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

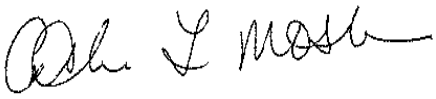
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23B0051-01	TB_20230201	Water	02/01/2023	02/01/2023
23B0051-02	LMW-38_20230201	Water	02/01/2023	02/01/2023
23B0051-03	LMW-39_20230201	Water	02/01/2023	02/01/2023
23B0051-04	LMW-40_20230201	Water	02/01/2023	02/01/2023
23B0051-05	LMW-41_20230201	Water	02/01/2023	02/01/2023
23B0051-06	LMW-42_20230201	Water	02/01/2023	02/01/2023
23B0051-07	LMW-50_20230201	Water	02/01/2023	02/01/2023
23B0051-08	LMW-51_20230201	Water	02/01/2023	02/01/2023

General Notes for York Project (SDG) No.: 23B0051

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 02/10/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: TB_20230201 **York Sample ID:** 23B0051-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 3:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20230201 **York Sample ID:** 23B0051-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 3:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB_20230201 **York Sample ID:** 23B0051-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 3:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: TB_20230201 **York Sample ID:** 23B0051-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 3:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/09/2023 23:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*79-122*

Sample Information

Client Sample ID: LMW-38_20230201 **York Sample ID:** 23B0051-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:24 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**56**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**30**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-38_20230201 **York Sample ID:** 23B0051-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:24 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**5.0**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**210**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-38_20230201 **York Sample ID:** 23B0051-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:24 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**44**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**26**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**69**	B	ug/L	10	20	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**28**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**43**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**70**		ug/L	5.0	10	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**5.9**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	**sec-Butylbenzene**	**2.1**	J	ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**5.1**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-38_20230201 **York Sample ID:** 23B0051-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:24 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**110**		ug/L	6.0	15	10	EPA 8260C	02/09/2023 12:30	02/10/2023 01:47	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**240000**		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 16:15	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 16:15	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 16:15	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.714**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:16	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.581**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:26	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.414**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:16	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: LMW-38_20230201 **York Sample ID:** 23B0051-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:24 am	02/01/2023

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.429**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:26	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**295**		mg/L	0.690	5.00	10	EPA 300.0	02/02/2023 00:28	02/02/2023 00:28	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 00:28	02/02/2023 00:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 00:28	02/02/2023 00:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**142**		mg/L	10.0	10	EPA 300.0	02/02/2023 00:28	02/02/2023 00:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**510**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**6.1**		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: LMW-38_20230201 **York Sample ID:** 23B0051-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:24 am	02/01/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**13.9**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 12:15	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1320**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-39_20230201 **York Sample ID:** 23B0051-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:42 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**25**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**11**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-39_20230201 **York Sample ID:** 23B0051-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:42 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**3.5**	J	ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-39_20230201 **York Sample ID:** 23B0051-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:42 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**93**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**22**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**18**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**54**	B	ug/L	10	20	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**14**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**18**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**25**		ug/L	5.0	10	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**3.1**	J	ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**2.2**	J	ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-39_20230201 **York Sample ID:** 23B0051-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:42 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**43**		ug/L	6.0	15	10	EPA 8260C	02/09/2023 12:30	02/10/2023 02:15	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**160000**		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 16:32	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 16:32	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 16:32	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:19	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:30	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.219**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:19	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-39_20230201 **York Sample ID:** 23B0051-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:42 am	02/01/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.228**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:30	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**171**		mg/L	0.690	5.00	10	EPA 300.0	02/02/2023 02:07	02/02/2023 02:07	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 02:07	02/02/2023 02:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 02:07	02/02/2023 02:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**135**		mg/L	10.0	10	EPA 300.0	02/02/2023 02:07	02/02/2023 02:07	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**400**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**5.9**		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-39_20230201 **York Sample ID:** 23B0051-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:42 am	02/01/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.25**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 12:53	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**963**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-40_20230201 **York Sample ID:** 23B0051-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:35 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	**1,1-Dichloroethane**	**4.7**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-40_20230201 **York Sample ID:** 23B0051-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:35 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**5.1**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**2.6**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**0.56**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-40_20230201 **York Sample ID:** 23B0051-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:35 am	02/01/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-40_20230201 **York Sample ID:** 23B0051-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:35 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**24**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/10/2023 02:44	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**24000**		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 16:50	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 16:50	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	1000	100	GC/Headspace	02/04/2023 10:05	02/04/2023 16:50	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**19.7**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:22	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**20.6**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:33	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.620**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:22	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-40_20230201 **York Sample ID:** 23B0051-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:35 am	02/01/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.643**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:33	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**267**		mg/L	0.690	5.00	10	EPA 300.0	02/02/2023 00:57	02/02/2023 00:57	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0515**		mg/L	0.0500	1	EPA 300.0	02/02/2023 00:57	02/02/2023 00:57	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 00:57	02/02/2023 00:57	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**132**		mg/L	10.0	10	EPA 300.0	02/02/2023 00:57	02/02/2023 00:57	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**430**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**1.3**		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-40_20230201 **York Sample ID:** 23B0051-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 9:35 am	02/01/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.26**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 13:28	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1130**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-41_20230201** **York Sample ID:** **23B0051-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 1:43 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**200**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**98**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	2000	2000	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-41_20230201 **York Sample ID:** 23B0051-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 1:43 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	50	100	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**180**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**28**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-41_20230201 **York Sample ID:** 23B0051-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 1:43 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**3800**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**180**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**58**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**310**	B	ug/L	50	100	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**88**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**740**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1900**		ug/L	25	50	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**10**	J	ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	25	50	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**52**		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-41_20230201 **York Sample ID:** 23B0051-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 1:43 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	10	25	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**2600**		ug/L	30	75	50	EPA 8260C	02/09/2023 12:30	02/10/2023 03:12	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**84000**		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 17:07	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 17:07	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 17:07	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**28.9**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:24	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**29.2**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:35	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.85**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:24	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-41_20230201 **York Sample ID:** 23B0051-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 1:43 pm	02/01/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.85**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:35	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**239**		mg/L	0.690	5.00	10	EPA 300.0	02/02/2023 02:56	02/02/2023 02:56	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 02:56	02/02/2023 02:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 02:56	02/02/2023 02:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**76.8**		mg/L	10.0	10	EPA 300.0	02/02/2023 02:56	02/02/2023 02:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**320**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-41_20230201 **York Sample ID:** 23B0051-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 1:43 pm	02/01/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**14.6**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 13:44	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**841**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: **LMW-42_20230201** **York Sample ID:** **23B0051-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:15 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**56**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**19**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-42_20230201 **York Sample ID:** 23B0051-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:15 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**8.5**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-42_20230201 **York Sample ID:** 23B0051-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:15 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**390**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**53**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**21**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**77**	B	ug/L	10	20	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	**n-Propylbenzene**	**25**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	**o-Xylene**	**96**		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**56**		ug/L	5.0	10	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**3.9**	J	ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**2.5**	J	ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-42_20230201 **York Sample ID:** 23B0051-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:15 am	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**150**		ug/L	6.0	15	10	EPA 8260C	02/09/2023 12:30	02/10/2023 03:41	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**140000**		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 17:25	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 17:25	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10000	1000	GC/Headspace	02/04/2023 10:05	02/04/2023 17:25	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**52.3**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:27	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**53.9**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:38	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.88**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:27	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-42_20230201 **York Sample ID:** 23B0051-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:15 am	02/01/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.91**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:38	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**591**		mg/L	13.8	100	200	EPA 300.0	02/03/2023 19:33	02/03/2023 19:33	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0518**		mg/L	0.0500	1	EPA 300.0	02/02/2023 01:48	02/02/2023 01:48	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 01:48	02/02/2023 01:48	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**10.7**		mg/L	1.00	1	EPA 300.0	02/02/2023 01:48	02/02/2023 01:48	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**300**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	Sulfide	ND		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-42_20230201 **York Sample ID:** 23B0051-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 11:15 am	02/01/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5.77**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 14:01	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1690**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-50_20230201 **York Sample ID:** 23B0051-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 12:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-50_20230201 **York Sample ID:** 23B0051-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 12:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**4.5**		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	**Carbon disulfide**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-50_20230201 **York Sample ID:** 23B0051-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 12:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-50_20230201 **York Sample ID:** 23B0051-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 12:00 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:10	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**130**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 17:34	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 17:34	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 17:34	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**5.34**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:29	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**4.01**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:40	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.331**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:29	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-50_20230201 **York Sample ID:** 23B0051-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 12:00 pm	02/01/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.327**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:40	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**23.9**		mg/L	0.0690	0.500	1	EPA 300.0	02/02/2023 02:17	02/02/2023 02:17	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 02:17	02/02/2023 02:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 02:17	02/02/2023 02:17	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	100	100	EPA 300.0	02/03/2023 19:42	02/03/2023 19:42	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**290**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.6**		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-50_20230201 **York Sample ID:** 23B0051-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 12:00 pm	02/01/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.48**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 14:17	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**507**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-51_20230201 **York Sample ID:** 23B0051-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 2:30 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**3.6**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-51_20230201 **York Sample ID:** 23B0051-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 2:30 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-10-1	**4-Methyl-2-pentanone**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-64-1	**Acetone**	**24**		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	**Carbon disulfide**	**0.99**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-51_20230201 **York Sample ID:** 23B0051-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 2:30 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LMW-51_20230201 **York Sample ID:** 23B0051-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 2:30 pm	02/01/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/09/2023 12:30	02/10/2023 04:39	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Methane, Ethane & Ethylene

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**110**		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 17:51	CLO
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 17:51	CLO
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	02/04/2023 10:05	02/04/2023 17:51	CLO
							Certifications:			

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.49**		mg/L	0.278	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:39	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.736**		mg/L	0.278	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:43	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0906**		mg/L	0.00556	1	EPA 6010D	02/02/2023 09:26	02/03/2023 17:39	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LMW-51_20230201 **York Sample ID:** 23B0051-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 2:30 pm	02/01/2023

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0896**		mg/L	0.00556	1	EPA 6010D	02/06/2023 07:50	02/08/2023 13:43	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**79.2**		mg/L	0.690	5.00	10	EPA 300.0	02/02/2023 03:25	02/02/2023 03:25	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0583**		mg/L	0.0500	1	EPA 300.0	02/02/2023 03:25	02/02/2023 03:25	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/02/2023 03:25	02/02/2023 03:25	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**48.8**		mg/L	10.0	10	EPA 300.0	02/02/2023 03:25	02/02/2023 03:25	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**290**	CONT-02	mg/L	2.0	1	SM 2320B	02/07/2023 08:45	02/07/2023 15:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18496-25-8	**Sulfide**	**2.1**		mg/L	1.0	1	SM 4500-S F	02/08/2023 10:36	02/08/2023 15:03	VR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LMW-51_20230201 **York Sample ID:** 23B0051-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0051	100766601	Water	February 1, 2023 2:30 pm	02/01/2023

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**36.1**		mg/L	1.00	1	SM 5310B-2014	02/09/2023 09:53	02/09/2023 14:31	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**594**		mg/L	10.0	1	SM 2540C-2015	02/06/2023 18:50	02/06/2023 18:50	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BB30109 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/02/23
23B0051-03	LMW-39_20230201	02/02/23
23B0051-04	LMW-40_20230201	02/02/23
23B0051-05	LMW-41_20230201	02/02/23
23B0051-06	LMW-42_20230201	02/02/23
23B0051-07	LMW-50_20230201	02/02/23
23B0051-08	LMW-51_20230201	02/02/23
BB30109-BLK1	Blank	02/02/23
BB30109-BS1	LCS	02/02/23
BB30109-DUP1	Duplicate	02/02/23
BB30109-MS1	Matrix Spike	02/02/23
BB30109-PS1	Post Spike	02/02/23

Batch ID: BB30145 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/02/23
23B0051-03	LMW-39_20230201	02/02/23
23B0051-04	LMW-40_20230201	02/02/23
23B0051-06	LMW-42_20230201	02/02/23
23B0051-07	LMW-50_20230201	02/02/23
BB30145-BLK1	Blank	02/01/23
BB30145-BS1	LCS	02/01/23
BB30145-DUP1	Duplicate	02/01/23
BB30145-DUP2	Duplicate	02/01/23
BB30145-MS1	Matrix Spike	02/01/23
BB30145-MS2	Matrix Spike	02/01/23

Batch ID: BB30147 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/02/23
23B0051-03	LMW-39_20230201	02/02/23
23B0051-04	LMW-40_20230201	02/02/23
23B0051-05	LMW-41_20230201	02/02/23
23B0051-08	LMW-51_20230201	02/02/23
BB30147-BLK1	Blank	02/02/23
BB30147-BS1	LCS	02/02/23
BB30147-DUP1	Duplicate	02/02/23
BB30147-MS1	Matrix Spike	02/02/23

Batch ID: BB30241 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date

23B0051-02	LMW-38_20230201	02/04/23
23B0051-03	LMW-39_20230201	02/04/23
23B0051-04	LMW-40_20230201	02/04/23
23B0051-05	LMW-41_20230201	02/04/23
23B0051-06	LMW-42_20230201	02/04/23
23B0051-07	LMW-50_20230201	02/04/23
23B0051-08	LMW-51_20230201	02/04/23
BB30241-BLK1	Blank	02/04/23
BB30241-DUP1	Duplicate	02/04/23

Batch ID: BB30255 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/06/23
23B0051-03	LMW-39_20230201	02/06/23
23B0051-04	LMW-40_20230201	02/06/23
23B0051-05	LMW-41_20230201	02/06/23
23B0051-06	LMW-42_20230201	02/06/23
23B0051-07	LMW-50_20230201	02/06/23
23B0051-08	LMW-51_20230201	02/06/23
BB30255-BLK1	Blank	02/06/23
BB30255-BS1	LCS	02/06/23
BB30255-DUP1	Duplicate	02/06/23
BB30255-MS1	Matrix Spike	02/06/23
BB30255-PS1	Post Spike	02/06/23

Batch ID: BB30308 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-06	LMW-42_20230201	02/03/23
23B0051-07	LMW-50_20230201	02/03/23
BB30308-BLK1	Blank	02/03/23
BB30308-BS1	LCS	02/03/23
BB30308-DUP1	Duplicate	02/03/23
BB30308-DUP2	Duplicate	02/03/23
BB30308-MS1	Matrix Spike	02/03/23
BB30308-MS2	Matrix Spike	02/03/23

Batch ID: BB30326 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/06/23
23B0051-03	LMW-39_20230201	02/06/23
23B0051-04	LMW-40_20230201	02/06/23
23B0051-05	LMW-41_20230201	02/06/23
23B0051-06	LMW-42_20230201	02/06/23
23B0051-07	LMW-50_20230201	02/06/23
23B0051-08	LMW-51_20230201	02/06/23
BB30326-BLK1	Blank	02/06/23
BB30326-DUP1	Duplicate	02/06/23



BB30326-DUP2	Duplicate	02/06/23

Batch ID: BB30352 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/07/23
23B0051-03	LMW-39_20230201	02/07/23
23B0051-04	LMW-40_20230201	02/07/23
23B0051-05	LMW-41_20230201	02/07/23
23B0051-06	LMW-42_20230201	02/07/23
23B0051-07	LMW-50_20230201	02/07/23
23B0051-08	LMW-51_20230201	02/07/23
BB30352-DUP1	Duplicate	02/07/23
BB30352-SRM1	Reference	02/07/23

Batch ID: BB30457 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/08/23
23B0051-03	LMW-39_20230201	02/08/23
23B0051-04	LMW-40_20230201	02/08/23
23B0051-05	LMW-41_20230201	02/08/23
23B0051-06	LMW-42_20230201	02/08/23
23B0051-07	LMW-50_20230201	02/08/23
23B0051-08	LMW-51_20230201	02/08/23
BB30457-BLK1	Blank	02/08/23
BB30457-BS1	LCS	02/08/23

Batch ID: BB30530 **Preparation Method:** Analysis Preparation **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-02	LMW-38_20230201	02/09/23
23B0051-03	LMW-39_20230201	02/09/23
23B0051-04	LMW-40_20230201	02/09/23
23B0051-05	LMW-41_20230201	02/09/23
23B0051-06	LMW-42_20230201	02/09/23
23B0051-07	LMW-50_20230201	02/09/23
23B0051-08	LMW-51_20230201	02/09/23
BB30530-BLK1	Blank	02/09/23
BB30530-DUP1	Duplicate	02/09/23
BB30530-MS1	Matrix Spike	02/09/23
BB30530-SRM1	Reference	02/09/23

Batch ID: BB30566 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23B0051-01	TB_20230201	02/09/23
23B0051-02	LMW-38_20230201	02/09/23
23B0051-03	LMW-39_20230201	02/09/23

23B0051-04	LMW-40_20230201	02/09/23
23B0051-05	LMW-41_20230201	02/09/23
23B0051-06	LMW-42_20230201	02/09/23
23B0051-07	LMW-50_20230201	02/09/23
23B0051-08	LMW-51_20230201	02/09/23
BB30566-BLK1	Blank	02/09/23
BB30566-BS1	LCS	02/09/23
BB30566-BSD1	LCS Dup	02/09/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
Blank (BB30566-BLK1) Blank									Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	2.6	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
Blank (BB30566-BLK1) Blank									Prepared & Analyzed: 02/09/2023		
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BB30566-BS1) LCS									Prepared & Analyzed: 02/09/2023		
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.7	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.2		"	10.0		92.5	82-123				
1,1-Dichloroethane	10		"	10.0		103	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	9.8		"	10.0		98.3	40-130				
1,2,3-Trichloropropane	9.2		"	10.0		92.5	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		93.3	65-137				
1,2,4-Trimethylbenzene	9.3		"	10.0		92.8	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		92.7	45-147				
1,2-Dibromoethane	9.4		"	10.0		93.7	83-124				
1,2-Dichlorobenzene	9.3		"	10.0		92.9	79-123				
1,2-Dichloroethane	10		"	10.0		101	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		95.8	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		93.6	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		92.1	85-130				
1,4-Dioxane	210		"	210		100	10-349				
2-Butanone	6.9		"	10.0		68.6	49-152				
2-Hexanone	7.7		"	10.0		76.8	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		93.0	57-145				
Acetone	4.6		"	10.0		45.8	14-150				
Acrolein	7.8		"	10.0		78.2	10-153				
Acrylonitrile	10		"	10.0		102	51-150				
Benzene	11		"	10.0		107	85-126				
Bromochloromethane	10		"	10.0		104	77-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
LCS (BB30566-BS1) LCS							Prepared & Analyzed: 02/09/2023				
Bromodichloromethane	9.6		ug/L	10.0		95.7	79-128				
Bromoform	9.2		"	10.0		92.3	78-133				
Bromomethane	10		"	10.0		101	43-168				
Carbon disulfide	12		"	10.0		121	68-146				
Carbon tetrachloride	11		"	10.0		108	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	11		"	10.0		115	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	12		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.4		"	10.0		93.5	80-131				
Cyclohexane	11		"	10.0		113	63-149				
Dibromochloromethane	9.4		"	10.0		93.8	80-130				
Dibromomethane	9.2		"	10.0		92.4	72-134				
Dichlorodifluoromethane	14		"	10.0		136	44-144				
Ethyl Benzene	9.6		"	10.0		96.5	80-131				
Hexachlorobutadiene	10		"	10.0		101	67-146				
Isopropylbenzene	10		"	10.0		102	76-140				
Methyl acetate	8.7		"	10.0		86.7	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		100	76-135				
Methylcyclohexane	10		"	10.0		103	72-143				
Methylene chloride	17		"	10.0		166	55-137	High Bias			
n-Butylbenzene	11		"	10.0		111	79-132				
n-Propylbenzene	10		"	10.0		101	78-133				
o-Xylene	9.5		"	10.0		95.3	78-130				
p- & m- Xylenes	19		"	20.0		97.1	77-133				
p-Isopropyltoluene	10		"	10.0		101	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	9.6		"	10.0		96.3	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	5.1		"	10.0		50.8	82-131	Low Bias			
Toluene	9.7		"	10.0		97.2	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	9.2		"	10.0		92.2	78-131				
trans-1,4-dichloro-2-butene	9.4		"	10.0		93.8	63-141				
Trichloroethylene	9.1		"	10.0		91.0	82-128				
Trichlorofluoromethane	11		"	10.0		111	67-139				
Vinyl Chloride	13		"	10.0		129	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.73*		*"*	*10.0*		*97.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.59*		*"*	*10.0*		*95.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
LCS Dup (BB30566-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2023			
1,1,1,2-Tetrachloroethane	8.8		ug/L	10.0		88.3	82-126		5.93	30	
1,1,1-Trichloroethane	10		"	10.0		101	78-136		7.06	30	
1,1,2,2-Tetrachloroethane	9.9		"	10.0		98.7	76-129		5.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		109	54-165		6.91	30	
1,1,2-Trichloroethane	8.8		"	10.0		87.6	82-123		5.44	30	
1,1-Dichloroethane	9.7		"	10.0		97.3	82-129		5.89	30	
1,1-Dichloroethylene	11		"	10.0		107	68-138		7.37	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		91.5	40-130		7.17	30	
1,2,3-Trichloropropane	8.8		"	10.0		87.6	77-128		5.44	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		88.4	65-137		5.39	30	
1,2,4-Trimethylbenzene	8.7		"	10.0		86.7	82-132		6.80	30	
1,2-Dibromo-3-chloropropane	8.9		"	10.0		89.0	45-147		4.07	30	
1,2-Dibromoethane	9.0		"	10.0		89.5	83-124		4.59	30	
1,2-Dichlorobenzene	8.8		"	10.0		88.3	79-123		5.08	30	
1,2-Dichloroethane	9.7		"	10.0		96.7	73-132		4.45	30	
1,2-Dichloropropane	9.4		"	10.0		93.7	78-126		6.50	30	
1,3,5-Trimethylbenzene	9.0		"	10.0		89.6	80-131		6.69	30	
1,3-Dichlorobenzene	8.8		"	10.0		88.2	86-130		5.94	30	
1,4-Dichlorobenzene	8.7		"	10.0		86.6	85-130		6.16	30	
1,4-Dioxane	210		"	210		99.3	10-349		0.797	30	
2-Butanone	6.5		"	10.0		65.3	49-152		4.93	30	
2-Hexanone	7.4		"	10.0		73.6	51-146		4.26	30	
4-Methyl-2-pentanone	9.0		"	10.0		90.1	57-145		3.17	30	
Acetone	4.4		"	10.0		44.2	14-150		3.56	30	
Acrolein	7.5		"	10.0		75.4	10-153		3.65	30	
Acrylonitrile	10		"	10.0		105	51-150		2.61	30	
Benzene	10		"	10.0		101	85-126		5.85	30	
Bromochloromethane	9.9		"	10.0		99.2	77-128		4.44	30	
Bromodichloromethane	9.0		"	10.0		89.8	79-128		6.36	30	
Bromoform	8.8		"	10.0		88.3	78-133		4.43	30	
Bromomethane	9.6		"	10.0		96.5	43-168		4.16	30	
Carbon disulfide	11		"	10.0		112	68-146		7.56	30	
Carbon tetrachloride	10		"	10.0		99.8	77-141		7.89	30	
Chlorobenzene	9.5		"	10.0		94.7	88-120		6.14	30	
Chloroethane	11		"	10.0		107	65-136		6.77	30	
Chloroform	9.9		"	10.0		98.6	82-128		5.62	30	
Chloromethane	12		"	10.0		116	43-155		4.79	30	
cis-1,2-Dichloroethylene	10		"	10.0		99.9	83-129		6.02	30	
cis-1,3-Dichloropropylene	8.8		"	10.0		88.0	80-131		6.06	30	
Cyclohexane	11		"	10.0		106	63-149		6.58	30	
Dibromochloromethane	8.9		"	10.0		88.7	80-130		5.59	30	
Dibromomethane	8.8		"	10.0		88.0	72-134		4.88	30	
Dichlorodifluoromethane	13		"	10.0		126	44-144		7.38	30	
Ethyl Benzene	9.0		"	10.0		90.4	80-131		6.53	30	
Hexachlorobutadiene	9.4		"	10.0		93.5	67-146		8.11	30	
Isopropylbenzene	9.5		"	10.0		94.9	76-140		7.41	30	
Methyl acetate	8.4		"	10.0		83.8	51-139		3.40	30	
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.7	76-135		3.65	30	
Methylcyclohexane	9.5		"	10.0		95.1	72-143		7.59	30	
Methylene chloride	18		"	10.0		178	55-137	High Bias	6.46	30	
n-Butylbenzene	10		"	10.0		104	79-132		6.49	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30566 - EPA 5030B											
LCS Dup (BB30566-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2023			
n-Propylbenzene	9.3		ug/L	10.0		93.2	78-133		7.64	30	
o-Xylene	8.9		"	10.0		89.2	78-130		6.61	30	
p- & m- Xylenes	18		"	20.0		91.1	77-133		6.38	30	
p-Isopropyltoluene	9.4		"	10.0		94.0	81-136		6.88	30	
sec-Butylbenzene	9.7		"	10.0		96.6	79-137		7.19	30	
Styrene	9.1		"	10.0		90.8	67-132		5.88	30	
tert-Butyl alcohol (TBA)	51		"	50.0		102	25-162		5.19	30	
tert-Butylbenzene	9.5		"	10.0		94.7	77-138		7.23	30	
Tetrachloroethylene	4.7		"	10.0		47.4	82-131	Low Bias	6.92	30	
Toluene	9.1		"	10.0		90.6	80-127		7.03	30	
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132		6.43	30	
trans-1,3-Dichloropropylene	8.8		"	10.0		87.7	78-131		5.00	30	
trans-1,4-dichloro-2-butene	8.8		"	10.0		87.7	63-141		6.72	30	
Trichloroethylene	8.4		"	10.0		84.4	82-128		7.53	30	
Trichlorofluoromethane	10		"	10.0		103	67-139		7.10	30	
Vinyl Chloride	12		"	10.0		119	58-145		8.06	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.70*		*"*	*10.0*		*97.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30241 - Preparation for GC Analysis											
Blank (BB30241-BLK1) Blank									Prepared & Analyzed: 02/04/2023		
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BB30241-DUP1) Duplicate	*Source sample: 23B0051-07 (LMW-50_20230201)								Prepared & Analyzed: 02/04/2023		
Methane	150	10	ug/L		130				12.2	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30109 - EPA 3015A											
Blank (BB30109-BLK1) Blank									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	ND	0.278	mg/L								
Manganese	ND	0.00556	"								
LCS (BB30109-BS1) LCS									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	0.938		ug/mL	1.00		93.8	80-120				
Manganese	0.478		"	0.500		95.6	80-120				
Duplicate (BB30109-DUP1) Duplicate *Source sample: 23A1484-02 (Duplicate)									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	2.20	0.278	mg/L		2.29				3.80	20	
Manganese	0.261	0.00556	"		0.263				0.772	20	
Matrix Spike (BB30109-MS1) Matrix Spike *Source sample: 23A1484-02 (Matrix Spike)									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	3.22	0.278	mg/L	1.11	2.29	83.6	75-125				
Manganese	0.785	0.00556	"	0.556	0.263	94.0	75-125				
Post Spike (BB30109-PS1) Post Spike *Source sample: 23A1484-02 (Post Spike)									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Iron	3.02		ug/mL	1.00	2.06	95.9	75-125				
Manganese	0.741		"	0.500	0.237	101	75-125				
Batch BB30255 - EPA 3015A											
Blank (BB30255-BLK1) Blank									Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	ND	0.278	mg/L								
Manganese - Dissolved	ND	0.00556	"								
LCS (BB30255-BS1) LCS									Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	0.950		ug/mL	1.00		95.0	80-120				
Manganese - Dissolved	0.476		"	0.500		95.2	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30255 - EPA 3015A											
Duplicate (BB30255-DUP1) Duplicate	*Source sample: 23A1484-02 (Duplicate)								Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	2.09	0.278	mg/L		2.13				2.10	20	
Manganese - Dissolved	0.263	0.00556	"		0.268				1.99	20	
Matrix Spike (BB30255-MS1) Matrix Spike	*Source sample: 23A1484-02 (Matrix Spike)								Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	3.36	0.278	mg/L	1.11	2.13	111	75-125				
Manganese - Dissolved	0.801	0.00556	"	0.556	0.268	96.0	75-125				
Post Spike (BB30255-PS1) Post Spike	*Source sample: 23A1484-02 (Post Spike)								Prepared: 02/06/2023 Analyzed: 02/07/2023		
Iron - Dissolved	2.93		ug/mL	1.00	1.92	101	75-125				
Manganese - Dissolved	0.760		"	0.500	0.241	104	75-125				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30145 - EPA 300											
Blank (BB30145-BLK1) Blank								Prepared & Analyzed: 02/01/2023			
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BB30145-BS1) LCS								Prepared & Analyzed: 02/01/2023			
Chloride	9.48	0.500	mg/L	10.0		94.8	90-110				
Nitrate as N	9.78	0.0500	"	10.0		97.8	90-110				
Nitrite as N	10.2	0.0500	"	10.0		102	90-110				
Sulfate	9.26	1.00	"	10.0		92.6	85-115				
Duplicate (BB30145-DUP1) Duplicate	*Source sample: 23B0037-01 (Duplicate)							Prepared & Analyzed: 02/01/2023			
Chloride	ND	0.500	mg/L		ND					15	
Nitrate as N	0.0232	0.0500	"		0.0210				9.95	15	
Nitrite as N	ND	0.0500	"		ND					15	
Sulfate	83.1	1.00	"		83.2				0.113	15	
Duplicate (BB30145-DUP2) Duplicate	*Source sample: 23B0037-02 (Duplicate)							Prepared & Analyzed: 02/01/2023			
Chloride	ND	0.500	mg/L		ND					15	
Nitrate as N	0.158	0.0500	"		0.155				1.98	15	
Nitrite as N	ND	0.0500	"		ND					15	
Sulfate	73.9	1.00	"		74.2				0.489	15	
Matrix Spike (BB30145-MS1) Matrix Spike	*Source sample: 23B0037-01 (Matrix Spike)							Prepared & Analyzed: 02/01/2023			
Chloride	ND	0.500	mg/L	10.0	ND		85-115	Low Bias			
Nitrate as N	8.18	0.0500	"	10.0	0.0210	81.6	90-110	Low Bias			
Nitrite as N	8.67	0.0500	"	10.0	ND	86.7	90-110	Low Bias			
Sulfate	83.3	1.00	"	10.0	83.2	0.862	85-115	Low Bias			

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30145 - EPA 300											
Matrix Spike (BB30145-MS2) Matrix Spike	*Source sample: 23B0037-02 (Matrix Spike)								Prepared & Analyzed: 02/01/2023		
Chloride	ND	0.500	mg/L	10.0	ND		85-115	Low Bias			
Nitrate as N	9.38	0.0500	"	10.0	0.155	92.2	90-110				
Nitrite as N	9.26	0.0500	"	10.0	ND	92.6	90-110				
Sulfate	72.0	1.00	"	10.0	74.2	NR	85-115	Low Bias			
Batch BB30147 - EPA 300											
Blank (BB30147-BLK1) Blank									Prepared & Analyzed: 02/02/2023		
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BB30147-BS1) LCS									Prepared & Analyzed: 02/02/2023		
Chloride	9.47	0.500	mg/L	10.0		94.7	90-110				
Nitrate as N	9.74	0.0500	"	10.0		97.4	90-110				
Nitrite as N	10.1	0.0500	"	10.0		101	90-110				
Sulfate	9.34	1.00	"	10.0		93.4	85-115				
Duplicate (BB30147-DUP1) Duplicate	*Source sample: 23B0051-05 (LMW-41_20230201)								Prepared & Analyzed: 02/02/2023		
Chloride	ND	0.500	mg/L		239					15	
Nitrate as N	0.0241	0.0500	"		0.0240				0.416	15	
Nitrite as N	ND	0.0500	"		ND					15	
Sulfate	71.4	1.00	"		76.8				7.33	15	
Matrix Spike (BB30147-MS1) Matrix Spike	*Source sample: 23B0051-05 (LMW-41_20230201)								Prepared & Analyzed: 02/02/2023		
Chloride	ND	0.500	mg/L	10.0	239	NR	85-115	Low Bias			
Nitrate as N	7.51	0.0500	"	10.0	0.0240	74.9	90-110	Low Bias			
Nitrite as N	8.25	0.0500	"	10.0	ND	82.5	90-110	Low Bias			
Sulfate	65.9	1.00	"	10.0	76.8	NR	85-115	Low Bias			

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30308 - EPA 300											
Blank (BB30308-BLK1) Blank								Prepared & Analyzed: 02/03/2023			
Chloride	ND	0.500	mg/L								
Sulfate	ND	1.00	"								
LCS (BB30308-BS1) LCS								Prepared & Analyzed: 02/03/2023			
Chloride	9.68	0.500	mg/L	10.0		96.8	90-110				
Sulfate	9.50	1.00	"	10.0		95.0	85-115				
Duplicate (BB30308-DUP1) Duplicate	*Source sample: 23A1484-02 (Duplicate)							Prepared & Analyzed: 02/03/2023			
Chloride	81.1	25.0	mg/L		92.0				12.5	15	
Sulfate	321	50.0	"		347				7.69	15	
Duplicate (BB30308-DUP2) Duplicate	*Source sample: 23A1484-08RE1 (Duplicate)							Prepared & Analyzed: 02/03/2023			
Chloride	ND	0.500	mg/L		ND					15	
Sulfate	ND	1.00	"		ND					15	
Matrix Spike (BB30308-MS1) Matrix Spike	*Source sample: 23A1484-02 (Matrix Spike)							Prepared & Analyzed: 02/03/2023			
Chloride	11.7	0.500	mg/L	10.0	92.0	NR	85-115	Low Bias			
Sulfate	16.5	1.00	"	10.0	347	NR	85-115	Low Bias			
Matrix Spike (BB30308-MS2) Matrix Spike	*Source sample: 23A1484-08RE1 (Matrix Spike)							Prepared & Analyzed: 02/03/2023			
Chloride	9.00	0.500	mg/L	10.0	ND	90.0	85-115				
Sulfate	8.84	1.00	"	10.0	ND	88.4	85-115				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30352 - Analysis Preparation												
Duplicate (BB30352-DUP1)	Duplicate	*Source sample: 23B0274-04 (Duplicate)								Prepared & Analyzed: 02/07/2023		
Alkalinity, total		92	2.0	mg/L		96				4.26	15	
Reference (BB30352-SRM1)	Reference									Prepared & Analyzed: 02/07/2023		
Alkalinity, total		180		mg/L	178		103	90-110				
Batch BB30457 - Analysis Preparation												
Blank (BB30457-BLK1)	Blank									Prepared & Analyzed: 02/08/2023		
Sulfide		ND	1.0	mg/L								
LCS (BB30457-BS1)	LCS									Prepared & Analyzed: 02/08/2023		
Sulfide		42	1.0	mg/L	50.0		84.8	80-120				
Batch BB30530 - Analysis Preparation												
Blank (BB30530-BLK1)	Blank									Prepared & Analyzed: 02/09/2023		
Total Organic Carbon (TOC)		ND	1.00	mg/L								
Duplicate (BB30530-DUP1)	Duplicate	*Source sample: 23B0051-02 (LMW-38_20230201)								Prepared & Analyzed: 02/09/2023		
Total Organic Carbon (TOC)		13.9	1.00	mg/L		13.9				0.288	15	
Matrix Spike (BB30530-MS1)	Matrix Spike	*Source sample: 23B0051-02 (LMW-38_20230201)								Prepared & Analyzed: 02/09/2023		
Total Organic Carbon (TOC)		33.0		mg/L	20.0	13.9	95.6	85-115				
Reference (BB30530-SRM1)	Reference									Prepared & Analyzed: 02/09/2023		
Total Organic Carbon (TOC)		73.7		mg/L	79.2		93.1	83.96-115				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30326 - % Solids Prep												
Blank (BB30326-BLK1)	Blank									Prepared & Analyzed: 02/06/2023		
Total Dissolved Solids		ND	10.0	mg/L								
Duplicate (BB30326-DUP1)	Duplicate	*Source sample: 23A1484-04 (Duplicate)								Prepared & Analyzed: 02/06/2023		
Total Dissolved Solids		710	10.0	mg/L		704				0.849	15	
Duplicate (BB30326-DUP2)	Duplicate	*Source sample: 23B0117-01 (Duplicate)								Prepared & Analyzed: 02/06/2023		
Total Dissolved Solids		593	10.0	mg/L		602				1.51	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23B0051-01	TB_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-02	LMW-38_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-03	LMW-39_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-04	LMW-40_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-05	LMW-41_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-06	LMW-42_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-07	LMW-50_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23B0051-08	LMW-51_20230201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CONT-02	Alkalinity was performed on a sample from a container with head space.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23B0051

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Company:	Company:
Address: 300 Kimball Drive Parsippany, NJ 07054	Address: SAME	Address: SAME
Phone: 973-560-4900	Phone:	Phone:
Contact: Aroona Boodram	Contact:	Contact:
E-mail: aboodram@langan.com	E-mail:	E-mail:

YOUR Project Number: 100766601

YOUR Project Name: 23-30 Borden Ave

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) [X]

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York [X]; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
TB_20230201	—	~~2/1/23~~ —	VOCs	2x vials
LMW-38_20230201	GW	0924	VOCs, total+dissolved iron,	8x vials
LMW-39_20230201		1142	total+dissolved manganese,	4x 250 mL plastic
LMW-40_20230201		0935	nitrate, nitrite, sulfate, sulfide,	
LMW-41_20230201		1343	chloride, methane, ethane,	
LMW-42_20230201		1115	ethene, TOC, TDS, alkalinity	
LMW-50_20230201		1200		
LMW-51_20230201		1430		

Comments: all samples may contain EVO+ZVI.
* 5-DAY TAT FIRM
Please replace sample LMW-41_20230130 (Monday) w/ sample LMW-41_20230201 (today)

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ✓ ZnAc ✓ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter [X]

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
LANGAN	2/1/23	Victor D. York	2/1/23 15:22	Victor D. York	2/1/23 1955
Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				~~2/1/23~~	2/1/23 1955 / 4.0 Degrees C

10515 Research Drive
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

Client: Aroona Boodram
Langan Engineering & Environmental Services
1300 Wilson Boulevard
Suite 450
Arlington, VA 22209

Phone:

Fax:

Identifier: 074UA **Date Rec:** 01/31/2023 **Report Date:** 02/08/2023

Client Project #: 100766601 **Client Project Name:** 23-30 Borden Ave

Purchase Order #:

Test results provided for: CENSUS

Reviewed By:



NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

Results relate only to the items tested and the sample(s) as received by the laboratory.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **074UA**
Date Received: 01/31/2023

Sample Information

Client Sample ID:		**LMW-43_20230130**	**LMW-44_20230130**	**LMW-45_20230130**	**LMW-46_20230130**	**LMW-47_20230130**
Sample Date:		01/30/2023	01/30/2023	01/30/2023	01/30/2023	01/30/2023
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		OR/CS	OR/CS	OR/CS	OR/CS	OR/CS
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**4.57E+01**	**4.50E+00 (J)**	**4.70E+00**	**3.34E+01**	**4.33E+01**
Phylogenetic Group						
Total Eubacteria	EBAC	**4.88E+07**	**3.05E+06**	**2.33E+07**	**1.11E+07**	**6.01E+06**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **074UA**
Date Received: 01/31/2023

Sample Information

Client Sample ID:		**LMW-35_20230131**	**LMW-36_20230131**	**LMW-37_20230131**	**LMW-48_20230131**	**LMW-49_20230131**
Sample Date:		01/31/2023	01/31/2023	01/31/2023	01/31/2023	01/31/2023
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		OR/CS	OR/CS	OR/CS	OR/CS	OR/CS
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**2.28E+02**	**3.02E+04**	**1.80E+04**	**8.38E+02**	**2.04E+02**
Phylogenetic Group						
Total Eubacteria	EBAC	**8.57E+06**	**5.73E+06**	**7.55E+07**	**5.60E+06**	**9.82E+06**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

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Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **074UA**
Date Received: 01/31/2023

Sample Information

Client Sample ID:		**LMW-38_20230201**	**LMW-39_20230201**	**LMW-40_20230201**	**LMW-41_20230201**	**LMW-42_20230201**
Sample Date:		02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:		OR/CS	OR/CS	OR/CS	OR/CS	OR/CS
Dechlorinating Bacteria						
Dehalococcoides	*DHC*	**2.81E+03**	**1.52E+04**	**1.12E+03**	**7.51E+01**	**2.64E+01**
Phylogenetic Group						
Total Eubacteria	EBAC	**6.75E+06**	**1.04E+07**	**2.10E+07**	**4.55E+07**	**7.53E+07**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Langan Engineering & Environmental Servic**
Project: 23-30 Borden Ave

MI Project Number: **074UA**
Date Received: 01/31/2023

Sample Information

Client Sample ID:		**LMW-50_20230201**	**LMW-51_20230201**
Sample Date:		02/01/2023	02/01/2023
Units:		cells/mL	cells/mL
Analyst/Reviewer:		OR/CS	OR/CS
Dechlorinating Bacteria			
Dehalococcoides	*DHC*	**4.26E+01**	**2.21E+01**
Phylogenetic Group			
Total Eubacteria	EBAC	**1.41E+07**	**4.33E+07**

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Quality Assurance/Quality Control Data

Samples Received **1/31/2023**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	01/30/2023	02/08/2023	0 °C	103%	non-detect	non-detect
EBAC	01/30/2023	02/08/2023	0 °C	113%	non-detect	non-detect

Samples Received **2/2/2023**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	02/02/2023	02/08/2023	0 °C	106%	non-detect	non-detect
EBAC	02/02/2023	02/08/2023	0 °C	117%	non-detect	non-detect

APPENDIX N

Data Summary Usability Reports

LANGAN

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Amanda Forsburg, Langan Senior Project Scientist

From: Joe Conboy, Langan Senior Staff Chemist

Date: October 24, 2022

Re: Data Usability Summary Report
For 23-30 Borden Avenue
June 2022 Groundwater Samples
Langan Project No.: 100766601

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in June 2022 by Langan Engineering and Environmental Services at 23-30 Borden Avenue, Long Island City, New York. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs), metals, total suspended solids (TDS), total organic carbon (TOC), anions, fixed gases, sulfide, alkalinity, and nitrogen by the methods specified below.

- VOCs by SW-846 Method 8260C
- Metals by SW-846 Methods 6010D
- TDS by Standard Method 2540C
- TOC by Standard Method 5310B (subcontracted to Phoenix Environmental, NYSDOH NELAP #11301)
- Anions (chloride, sulfate, nitrite, and nitrate) by EPA Method 300.0
- Fixed gases by Method 2720
- Sulfide by EPA Method 376.1
- Alkalinity by Standard Method 2320B

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)

- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All (2 SDGs) SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid

and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

22F1254

The MB for batch BF21808 exhibited a detection of carbon disulfide (0.31 ug/l). The associated detected results in samples LMW40_062322, LMW41_062322, and LMW42_062322 are qualified as U at the reporting limit because of potential blank contamination.

The LCS/LCSD for batch BF21736 exhibited percent recoveries below the LCL for acrolein (5.37%, 0.35%) and tetrachloroethene (72.8%, 70.5%). This LCS/LCSD also exhibited an RPD above the control limit for acrolein (176%). The associated results in samples LMW35_062322, LMW36_062322, LMW37_062322, LMW44_062322, and LMW46_062322 are qualified as UJ because of potential bias.

The LCS/LCSD for batch BF21808 exhibited percent recoveries below the LCL for acrolein (2.83%, 2.63%) and tetrachloroethene (79%). The associated results in samples LMW40_062322, LMW41_062322, and LMW42_062322 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG20025 exhibited percent recoveries below the LCL for acrolein (0.3%, 5.02%) and tetrachloroethene (71.5%). This LCS/LCSD also exhibited RPDs above the control limit for 1,2,3-trichlorobenzene (31%), 1,4-dioxane (39.3%, 5.02%), acrolein (177%, 71.5%), 1,4-dioxane (32.3%, 522%), and tert-butyl alcohol (53%). The associated results in samples LMW42_062322 (diluted) and LMW43_062322 are qualified as UJ because of potential bias.

22F1322

The LCS/LCSD for batch BG20178 exhibited percent recoveries below the LCL for tetrachloroethene (76.3%, 72.9%), n-butylbenzene (80.4%, 75.8%), and acrolein (2.73%, 3.02%). The associated results in samples LMW38_062322, LMW39_062322, LMW45_062422, LMW47_062422, LMW48_062422, LMW49_062422, LMW50_062422, LMW51_062422, and DUP_062422 are qualified as J or UJ because of potential low bias.

The TB (TB01_062422) exhibited detections of methylene chloride (4.0 ug/L) and carbon disulfide (0.29 ug/L). The associated detected carbon disulfide results in samples LMW38_062322, LMW39_062322, LMW45_062422, LMW47_062422, LMW48_062422, LMW49_062422, LMW50_062422, LMW51_062422, and DUP_062422 are qualified as U at the reporting limit because of potential blank contamination. The other associated results are non-detect, so no qualification is required.

TOC by Standard Method 5310B

22F1322

Samples LMW38_062322, LMW39_062322, LMW45_062422, LMW47_062422, LMW48_062422, LMW49_062422, LMW50_062422, LMW51_062422, DUP_062422 exhibited an exceedance of the recommended preservation temperature for total organic carbon (7.9 °C). The associated results are qualified as J because of potential low bias.

Anions by EPA Method 300.0

22F1254

The laboratory duplicate and parent sample (LMW37_062322) exhibited RPDs above the control limit for chloride (55.1%) and sulfate (33.7%). The associated results are qualified as J because of potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

22F1254

The LCS/LCSD for batch BF21736 exhibited a percent recovery above the UCL for 1,4-dioxane (407%, 382%). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BG20025 exhibited a percent recovery above the UCL for 1,4-dioxane (350%, 522%). The associated results are non-detect. No qualification is necessary.

The TB (TB01_062322) exhibited a detection of methylene chloride (6.4 ug/L). The associated results are non-detect. No qualification is necessary.

The FB (FB01_062322) exhibited a detection of methylene chloride (7.0 ug/L). The associated results are non-detect. No qualification is necessary.

22F1322

The MS performed on sample LMW45_062422 exhibited a percent recovery outside control limits for numerous analytes (ranging from 2.46% to 163%) and exhibited RPDs above control limit (ranging from 34.1% to 39%). Organic results are not qualified on the basis of MS recoveries or RPDs alone. No qualification is necessary.

Metals by SW-846 Methods 6010D

22F1254

The MS performed on sample LMW42_062322 exhibited a percent recovery below the LCL for total iron (-723%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample LMW42_062322 exhibited a percent recovery above the UCL for total iron (1600%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample LMW37_062322 exhibited a percent recovery below the LCL for total iron (-116%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

22F1322

The MS performed on sample LMW45_062422 exhibited a percent recovery below the LCL for total iron (-117%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample LMW45_062422 exhibited a percent recovery below the LCL for total iron (-722%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample LMW45_062422 exhibited a percent recovery below the LCL for total manganese (61.3%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample LMW45_062422 exhibited a percent recovery below the LCL for dissolved manganese (69.2%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Anions by EPA Method 300.0

22F1254

The MS performed on sample LMW37_062322 exhibited percent recoveries below the LCL for chloride (-2270%) and sulfate (-1080%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample LMW35_062322 exhibited percent recoveries below the LCL for chloride (-612%) and sulfate (1680%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

22F1322

The MS performed on sample LMW38_062322 exhibited percent recoveries below the LCL for sulfate (-211%) and chloride (-1490%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample LMW45_062422 exhibited percent recoveries below the LCL for sulfate (-335%) and chloride (-1170%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Alkalinity and TDS by Standard Methods 2320B and 2540C

22F1254

The FB (FB01_062322) exhibited detections of alkalinity (2.0 mg/L) and TDS (13 mg/L). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the

RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pair was compared to the precision criteria:

- DUP_062422 and LMW51_062422

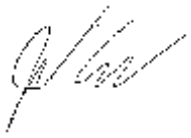
The field duplicate and parent sample (DUP_062422 and LMW51_062422) exhibited a RPD above the control limit for chloride (67.5%). The associated results are qualified as J because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 23-30 Borden Avenue
June 2022 Groundwater Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
22F1254	22F1254-01	LMW35_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-02	LMW36_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-03	LMW37_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-04	LMW40_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-05	LMW41_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-06	LMW42_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-07	LMW43_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-08	LMW44_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-09	FB01_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1254	22F1254-10	TB01_062322	6/23/2022	Tier 1	VOCs
22F1254	22F1254-11	LMW46_062322	6/23/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-01	LMW38_062322	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-02	LMW39_062322	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-03	LMW45_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-04	LMW47_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-05	LMW48_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC

Data Usability Summary Report
For 23-30 Borden Avenue
June 2022 Groundwater Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
22F1322	22F1322-06	LMW49_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-07	LMW50_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-08	LMW51_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-09	DUP_062422	6/24/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Anions, Alkalinity, Sulfide, TDS, TOC
22F1322	22F1322-10	TB01_062422	6/24/2022	Tier 1	VOCs

Data Usability Summary Report
For 23-30 Borden Avenue
June 2022 Groundwater Samples
Table 2: Validator-Applied Qualification

SDGs	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
22F1322	LMW38_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW39_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW45_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW47_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW48_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW49_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW50_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	LMW51_062322	SM5310B	TOC	Total Organic Carbon	J
22F1322	DUP_062422	SM5310B	TOC	Total Organic Carbon	J
22F1254	LMW35_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW35_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW36_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW36_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW37_062322	E300.0	14808-79-8	Sulfate (As SO4)	J
22F1254	LMW37_062322	E300.0	16887-00-6	Chloride (As Cl)	J
22F1254	LMW37_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW37_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW40_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW40_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW40_062322	SW8260	75-15-0	Carbon Disulfide	U(0.2)
22F1254	LMW41_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW41_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW41_062322	SW8260	75-15-0	Carbon Disulfide	U(0.2)
22F1254	LMW42_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW42_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW42_062322	SW8260	75-15-0	Carbon Disulfide	U(0.2)
22F1254	LMW43_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW43_062322	SW8260	123-91-1	1,4-Dioxane (P-Dioxane)	UJ
22F1254	LMW43_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW43_062322	SW8260	74-83-9	Bromomethane	UJ
22F1254	LMW43_062322	SW8260	75-65-0	Tert-Butyl Alcohol	UJ
22F1254	LMW43_062322	SW8260	87-61-6	1,2,3-Trichlorobenzene	UJ
22F1254	LMW44_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW44_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1254	LMW46_062322	SW8260	107-02-8	Acrolein	UJ
22F1254	LMW46_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1322	LMW38_062322	SW8260	104-51-8	N-Butylbenzene	J
22F1322	LMW38_062322	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW38_062322	SW8260	127-18-4	Tetrachloroethene	UJ
22F1322	LMW38_062322	SW8260	75-15-0	Carbon Disulfide	U(0.5)
22F1322	LMW39_062322	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW39_062322	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW39_062322	SW8260	127-18-4	Tetrachloroethene	UJ

Data Usability Summary Report
For 23-30 Borden Avenue
June 2022 Groundwater Samples
Table 2: Validator-Applied Qualification

SDGs	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
22F1322	LMW45_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW45_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW45_062422	SW8260	127-18-4	Tetrachloroethene	UJ
22F1322	LMW45_062422	SW8260	75-15-0	Carbon Disulfide	U(0.5)
22F1322	LMW47_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW47_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW47_062422	SW8260	127-18-4	Tetrachloroethene	UJ
22F1322	LMW48_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW48_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW48_062422	SW8260	127-18-4	Tetrachloroethene	UJ
22F1322	LMW49_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW49_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW49_062422	SW8260	127-18-4	Tetrachloroethene	J
22F1322	LMW50_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW50_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW50_062422	SW8260	127-18-4	Tetrachloroethene	UJ
22F1322	LMW51_062422	E300.0	16887-00-6	Chloride (As Cl)	J
22F1322	LMW51_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	LMW51_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	LMW51_062422	SW8260	127-18-4	Tetrachloroethene	J
22F1322	DUP_062422	E300.0	16887-00-6	Chloride (As Cl)	J
22F1322	DUP_062422	SW8260	104-51-8	N-Butylbenzene	UJ
22F1322	DUP_062422	SW8260	107-02-8	Acrolein	UJ
22F1322	DUP_062422	SW8260	127-18-4	Tetrachloroethene	J

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Amanda Forsburg, Langan Senior Project Scientist

From: Joe Conboy, Langan Senior Staff Chemist

Date: December 7, 2022

Re: Data Usability Summary Report
For 23-30 Borden Avenue
October – November 2022 Groundwater Samples
Langan Project No.: 100766601

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in October and November 2022 by Langan Engineering and Environmental Services at 23 – 30 Borden Avenue site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #s 10854 and 12058) for volatile organic compounds (VOCs), dissolved gases, total and dissolved metals, anions (nitrate, nitrite, chloride, and sulfate), sulfide, alkalinity, total organic carbon (TOC), and total dissolved solids (TDS) by the methods specified below.

- VOCs by SW-846 Method 8260C
- Dissolved gases by Method M2720
- Total and dissolved metals (iron and manganese) by SW-846 Methods 6010D
- Anions by Methods 300.0 and SM4500
- Sulfide by Method SM4500-S F
- Alkalinity by Method SM2320B
- TOC by Method SM5310B
- TDS by Method SM2540C

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)

- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-006, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid

and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. The section below describes the major deficiencies that were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

22J1446

The MB for batch TB_20221027 exhibited a detection of methylene chloride (6.5 ug/L). The associated detected results in samples LMW-35_20221027, LMW-37_20221027, LMW-36_20221027, LMW-38_20221027, LMW-39_20221027, and DUP_20221027 are qualified as J because of potential blank contamination.

The FB (FB_20221027) exhibited a detection of methylene chloride (2.9 ug/L). The associated detected results in samples LMW-35_20221027, LMW-37_20221027, LMW-36_20221027, LMW-38_20221027, LMW-39_20221027, and DUP_20221027 are qualified as J because of potential blank contamination.

The LCS/LCSD for batch BK20475 exhibited a percent recovery below the LCL for tetrachloroethene (66.9%, 61.8%). The associated results in samples LMW-37_20221027, LMW-36_20221027, LMW-38_20221027, LMW-39_20221027, and DUP_20221027 are qualified as UJ because of potential low bias.

The MB for batch BK20539 exhibited a detection of methylene chloride (1.2 ug/L). The associated result in sample LMW-35_20221027 is qualified as J because of potential blank contamination.

The LCS/LCSD for batch BK20539 exhibited percent recoveries outside of control limits for methylene chloride (143%, 150%), tetrachloroethene (63.8%, 60.7%), and n-butylbenzene (75.4%). The associated results in sample LMW-35_20221027 are qualified as J or UJ because of potential low bias.

22K0306

The LCS/LCSD for batch BK20539 exhibited percent recoveries below the LCL for tetrachloroethene (63.8%, 60.7%) and n-butylbenzene (75.4%). The associated results in sample LMW-49_20221104 are qualified as J or UJ because of potential low bias.

The LCS/LCSD for batch BK20726 exhibited percent recoveries below the LCL for bromomethane (40.2%, 34.1%) and tetrachloroethene (64.5%, 60.9%). The associated results in samples LMW-48_20221104 and LMW-50_20221104 are qualified as J or UJ because of potential low bias.

22K0361

The FB (FB_20221107) exhibited a detection of methylene chloride (1.4 ug/L). The associated detected results in samples LMW-41_20221107, LMW-42_20221107, LMW-43_20221107, LMW-44_20221107, LMW-45_20221107, LMW-46_20221107, LMW-47_20221107, LMW-40_20221107, LMW-51_20221107, and DUP_20221107 are qualified as U at the reporting limit because of potential blank contamination. Associated results that are non-detect or >10x blank contamination did not require qualification.

The LCS for batch BK20562 exhibited percent recoveries outside of control limits for methylene chloride (193%, 164%), n-butylbenzene (77.1%), and tetrachloroethene (60.7%, 63.9%). The associated results in samples LMW-41_20221107, LMW-42_20221107, and LMW-43_20221107 are qualified as J or UJ because of potential bias.

The LCS for batch BK20624 exhibited a percent recovery below the LCL for tetrachloroethene (65.5%, 63.3%). The associated results in samples LMW-41_20221107 (dilution), LMW-44_20221107, LMW-45_20221107, LMW-46_20221107, LMW-47_20221107, LMW-40_20221107, LMW-51_20221107, and DUP_20221107 are qualified as UJ because of potential low bias.

Anions by Methods 300.0 and SM4500

22J1446

The MS performed on sample LMW-35_20221027 exhibited a percent recovery below the LCL for nitrate (89%). The associated results in sample LMW-35_20221027 are qualified as UJ because of potential low bias.

The laboratory duplicate and parent sample (LMW-35_20221027) exhibited a RPD above the control limit for sulfate (93.4%). The associated results are qualified as J because of potential indeterminate bias.

22K0306

The laboratory duplicate and parent sample (LMW-50_20221104) exhibited a RPD above the control limit for chloride (35.1%). The associated results are qualified as J because of potential indeterminate bias.

Samples LMW-48_20221104, LMW-49_20221104, and LMW-50_20221104 exhibited an exceedance of the recommended holding time for nitrate and nitrite (by 5 days). The associated results in samples LMW-48_20221104, LMW-49_20221104, and LMW-50_20221104 are qualified as J or UJ because of potential low bias.

22K0361

Samples LMW-41_20221107, LMW-42_20221107, LMW-43_20221107, LMW-44_20221107, LMW-45_20221107, LMW-46_20221107, LMW-47_20221107, LMW-40_20221107, LMW-51_20221107, and DUP_20221107 exhibited an exceedance of the recommended holding time for nitrate and nitrite (by 2 days). The associated results in samples LMW-41_20221107, LMW-42_20221107, LMW-43_20221107, LMW-44_20221107, LMW-45_20221107, LMW-46_20221107, LMW-47_20221107, LMW-40_20221107, LMW-51_20221107, and DUP_20221107 are qualified as J or UJ because of potential low bias.

Sulfide by Method SM4500-S F

22J1446

The FB (FB_20221027) exhibited a detection of sulfide (3.5 mg/L). The associated results in samples LMW-35_20221027, LMW-37_20221027, LMW-36_20221027, LMW-38_20221027, LMW-39_20221027, and DUP_20221027 are qualified as U at the sample concentration because of potential blank contamination.

TOC by Method SM5310B

22K0306

The MS performed on sample LMW-50_20221104 exhibited a percent recovery below the LCL for TOC (45.7%). The associated result in sample LMW-50_20221104 is qualified as J because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

22J1446

The MS/MSD performed on sample LMW-35_20221027 exhibited percent recoveries outside of control limits for several analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

22K0306

The MB for batch BK20539 exhibited a detection of methylene chloride (1.2 ug/L). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BK20539 exhibited a percent recovery above the UCL for methylene chloride (143%, 150%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample LMW-50_20221104 exhibited percent recoveries above the UCL for majority of analytes. Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

22K0361

The MB for batch BK20562 exhibited a detection of methylene chloride (1.5 ug/L). The associated results are >10X the contamination. No qualification is necessary.

Anions by Methods 300.0 and SM4500

22J1446

The MS performed on sample LMW-35_20221027 exhibited a percent recovery below the LCL for sulfate (69.3%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS/MSD performed on sample LMW-35_20221027 exhibited percent recoveries outside of control limits for chloride (0%, 0%) and sulfate (0%, 504%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

22K0306

The MS performed on sample LMW-50_20221104 exhibited percent recoveries below the LCL for chloride (0%) and sulfate (0%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

22K0361

The FB (FB_20221107) exhibited detection of chloride (0.636 mg/L). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample LMW-43_20221107 exhibited percent recoveries below the LCL for chloride (2.73%) and sulfate (14.7%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Alkalinity by Method SM2320B

22J1446

The FB (FB_20221027) exhibited detection of alkalinity (4 mg/L). The associated results are >10X the contamination. No qualification is necessary.

TOC by Method SM5310B

22J1446

The FB (FB_20221027) exhibited detection of TOC (1.08 mg/L). The associated results are >10X the contamination. No qualification is necessary.

TDS by Method SM2540C

22J1446

The FB (FB_20221027) exhibited detection of TDS (34 mg/L). The associated results are >10X the contamination. No qualification is necessary.

22K0361

The FB (FB_20221107) exhibited detection of TDS (12 mg/L). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- LMW-37_20221027 and DUP_20221027
- LMW-51_20221107 and DUP_20221107

The field duplicate and parent sample (LMW-37_20221027 and DUP_20221027) exhibited a RPD above the control limit for sulfide (100%). The associated results were previously qualified. No further action is necessary.

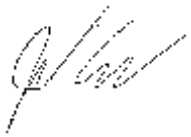
The field duplicate and parent sample (LMW-51_20221107 and DUP_20221107) exhibited RPDs above the control limit for methane (70%), TOC (193.9%), dissolved iron (93%), and dissolved manganese (45.4%). The associated results are qualified as J or UJ because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 23-30 Borden Avenue
October and November 2022 Groundwater Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
22J1446	22J1446-01	LMW-35_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-02	LMW-37_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-03	LMW-36_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-04	LMW-38_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-05	LMW-39_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-06	FB_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-07	DUP_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22J1446	22J1446-08	TB_20221027	10/27/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0306	22K0306-01	LMW-48_20221104	11/4/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0306	22K0306-02	LMW-49_20221104	11/4/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0306	22K0306-03	LMW-50_20221104	11/4/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS

Data Usability Summary Report
For 23-30 Borden Avenue
October and November 2022 Groundwater Samples
Table 1: Sample Summary

22K0306	43	TB_20221104	11/4/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-01	TB_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-02	FB_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-03	LMW-41_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-04	LMW-42_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-05	LMW-43_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-06	LMW-44_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-07	LMW-45_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-08	LMW-46_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-09	LMW-47_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-10	LMW-40_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS

Data Usability Summary Report
For 23-30 Borden Avenue
October and November 2022 Groundwater Samples
Table 1: Sample Summary

22K0361	22K0361-11	LMW-51_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS
22K0361	22K0361-12	DUP_20221107	11/7/2022	Tier 1	VOCs, Dissolved Gases, Total and Dissolved Metals, Nitrate, Nitrite, Sulfate, Chloride, Alkalinity, Sulfide, TOC, TDS

Data Usability Summary Report
For 23 - 30 Borden Avenue
October and November 2022 Groundwater Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
22J1446	DUP_20221027	E376.1	18496-25-8	Sulfide	U(4.8)
22J1446	DUP_20221027	SW8260	127-18-4	Tetrachloroethene	UJ
22J1446	LMW-35_20221027	E300.0	14808-79-8	Sulfate	J
22J1446	LMW-35_20221027	E376.1	18496-25-8	Sulfide	U(2.4)
22J1446	LMW-35_20221027	SM4500	14797-55-8	Nitrate	UJ
22J1446	LMW-35_20221027	SW8260	104-51-8	N-Butylbenzene	UJ
22J1446	LMW-35_20221027	SW8260	127-18-4	Tetrachloroethene	UJ
22J1446	LMW-35_20221027	SW8260	75-09-2	Methylene Chloride	J
22J1446	LMW-36_20221027	E376.1	18496-25-8	Sulfide	U(1.6)
22J1446	LMW-36_20221027	SW8260	127-18-4	Tetrachloroethene	UJ
22J1446	LMW-37_20221027	E376.1	18496-25-8	Sulfide	U(1.6)
22J1446	LMW-37_20221027	SW8260	127-18-4	Tetrachloroethene	UJ
22J1446	LMW-38_20221027	E376.1	18496-25-8	Sulfide	U(1.6)
22J1446	LMW-38_20221027	SW8260	127-18-4	Tetrachloroethene	UJ
22J1446	LMW-39_20221027	E376.1	18496-25-8	Sulfide	U(5.6)
22J1446	LMW-39_20221027	SW8260	127-18-4	Tetrachloroethene	UJ
22K0306	LMW-48_20221104	E300.0	14797-65-0	Nitrite	UJ
22K0306	LMW-48_20221104	SM4500	14797-55-8	Nitrate	UJ
22K0306	LMW-48_20221104	SW8260	127-18-4	Tetrachloroethene	UJ
22K0306	LMW-48_20221104	SW8260	74-83-9	Bromomethane	UJ
22K0306	LMW-49_20221104	E300.0	14797-65-0	Nitrite	UJ
22K0306	LMW-49_20221104	SM4500	14797-55-8	Nitrate	J
22K0306	LMW-49_20221104	SW8260	104-51-8	N-Butylbenzene	UJ
22K0306	LMW-49_20221104	SW8260	127-18-4	Tetrachloroethene	J
22K0306	LMW-50_20221104	E300.0	16887-00-6	Chloride	J
22K0306	LMW-50_20221104	E300.0	14797-65-0	Nitrite	UJ
22K0306	LMW-50_20221104	SM4500	14797-55-8	Nitrate	UJ
22K0306	LMW-50_20221104	SM5310C	TOC	Total Organic Carbon	J
22K0306	LMW-50_20221104	SW8260	127-18-4	Tetrachloroethene	J
22K0306	LMW-50_20221104	SW8260	74-83-9	Bromomethane	UJ
22K0361	DUP_20221107	E300.0	14797-65-0	Nitrite	J
22K0361	DUP_20221107	M2720	74-82-8	Methane	J
22K0361	DUP_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	DUP_20221107	SM5310C	TOC	Total Organic Carbon	J
22K0361	DUP_20221107	SW6010	7439-89-6	Dissolved Iron	J
22K0361	DUP_20221107	SW6010	7439-96-5	Dissolved Manganese	J
22K0361	DUP_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-40_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-40_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-40_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-41_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-41_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-41_20221107	SW8260	75-09-2	Methylene Chloride	J
22K0361	LMW-41_20221107	SW8260	104-51-8	N-Butylbenzene	UJ

Data Usability Summary Report
For 23 - 30 Borden Avenue
October and November 2022 Groundwater Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
22K0361	LMW-41_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-42_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-42_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-42_20221107	SW8260	75-09-2	Methylene Chloride	J
22K0361	LMW-42_20221107	SW8260	104-51-8	N-Butylbenzene	UJ
22K0361	LMW-42_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-43_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-43_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-43_20221107	SW8260	75-09-2	Methylene Chloride	J
22K0361	LMW-43_20221107	SW8260	104-51-8	N-Butylbenzene	UJ
22K0361	LMW-43_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-44_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-44_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-44_20221107	SW8260	75-09-2	Methylene Chloride	U(5)
22K0361	LMW-44_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-45_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-45_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-45_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-46_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-46_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-46_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-47_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-47_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-47_20221107	SW8260	127-18-4	Tetrachloroethene	UJ
22K0361	LMW-51_20221107	E300.0	14797-65-0	Nitrite	UJ
22K0361	LMW-51_20221107	M2720	74-82-8	Methane	J
22K0361	LMW-51_20221107	SM4500	14797-55-8	Nitrate	UJ
22K0361	LMW-51_20221107	SM5310C	TOC	Total Organic Carbon	J
22K0361	LMW-51_20221107	SW6010	7439-89-6	Dissolved Iron	UJ
22K0361	LMW-51_20221107	SW6010	7439-96-5	Dissolved Manganese	J
22K0361	LMW-51_20221107	SW8260	127-18-4	Tetrachloroethene	UJ

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1 University Square Drive Princeton, NJ 08540 T: 609.282.8000
Mailing Address: 1 University Square Drive Princeton, NJ 08540

To: Allyson Kritzer, Langan Project Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: March 15, 2023

Re: Data Usability Summary Report
For 23-30 Borden Avenue
January - February Groundwater Samples
Langan Project No.: 100766601

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in January and February 2023 by Langan Engineering and Environmental Services at 23-30 Borden Avenue site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration #s 10854 and 12058) for volatile organic compounds (VOCs), dissolved gases, total and dissolved metals (iron and manganese), anions (chloride, sulfate, nitrate, and nitrite), alkalinity, sulfide, total organic carbon (TOC), total dissolved solids (TDS), and pH by the methods specified below.

- VOCs by SW-846 Method 8260C
- Dissolved Gases by GC/Headspace
- Total and Dissolved Metals by SW-846 Method 6010D
- Anions by SW-846 Method 300.0/4500
- Alkalinity by Method 2320B
- Sulfide by Method 4500-S F
- TOC by Method 5310B
- TDS by Method 2540C
- pH by Method 4500

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)

- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid

and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

23A1409

The LCS/LCSD for batch BB30458 exhibited percent recoveries below the LCL for 2-hexanone (67.7%), 4-methyl-2-pentanone (59.8%, 64.2%), tetrachloroethene (71.3%, 67.1%), and trans-1,4-dichloro-2-butene (71.3%). The associated results in samples LMW-45_20230130, LMW-46_20230130, and LMW-47_20230130 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BB30528 exhibited a percent recovery below the LCL for tetrachloroethene (51.6%, 49.6%). The associated results in samples LMW-43_20230130 and LMW-44_20230130 are qualified as UJ because of potential low bias.

23A1484

The LCS/LCSD for batch BB30458 exhibited percent recoveries below the LCL for 2-hexanone (67.7%), 4-mehyl-2-pentanone (59.8%, 64.2%), tetrachloroethene (71.3%, 67.1%), and trans-1,4-dichloro-2-butene (71.3%). The associated results in samples LMW-35_20230131, LMW-37_20230131, and LMW-48_20230131 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BB30528 exhibited a percent recovery below the LCL for tetrachloroethene (51.6%, 49.6%). The associated result in sample LMW-36_20230131 is qualified as UJ because of potential low bias.

The LCS/LCSD for batch BB30566 exhibited a percent recovery below the LCL for tetrachloroethene (50.8%, 47.4%). The associated result in sample LMW-49_20230131 is qualified as J because of potential low bias.

23B0051

The LCS/LCSD for batch BB30566 exhibited a percent recovery above the UCL for methylene chloride (166%, 178%). The associated detected results in samples LMW-38_20230201, LMW-39_20230201, LMW-40_20230201, LMW-41_20230201, LMW-42_20230201, LMW-50_20230201, and LMW-51_20230201 are qualified as J because of potential high bias.

The LCS/LCSD for batch BB30566 exhibited a percent recovery below the LCL for tetrachloroethene (50.8%, 47.4%). The associated results in samples LMW-38_20230201, LMW-39_20230201, LMW-40_20230201, LMW-41_20230201, LMW-42_20230201, LMW-50_20230201, and LMW-51_20230201 are qualified as UJ because of potential low bias.

Anions by SW-846 Method 300.0/4500

23A1484

The laboratory duplicate and parent sample (DUP_20230131) exhibited a RPD above the control limit for nitrite (16.6%). The associated results are qualified as UJ because of potential indeterminate bias.

Sample LMW-36_20230131 exhibited an exceedance of the recommended holding times for nitrate and nitrite (by 1 day). The associated results in sample LMW-36_20230131 are qualified as UJ because of potential low bias.

23B0051

The MS performed on sample LMW-41_20230201 exhibited percent recoveries below the LCL for nitrate (74.9%) and nitrite (82.5%). The associated results in sample are qualified as UJ because of potential low bias.

Alkalinity by Method 2320B

23A1484

Alkalinity analyses were performed on sample containers having headspace for samples LMW37_20230131, LMW48_20230131, LMW49_20230131, and DUP_20230131. The associated results are qualified J based on a potential bias.

23B0051

Alkalinity analyses were performed on sample containers having headspace for samples LMW38_20230201, LMW39_20230201, LMW40_20230201, LMW41_20230201,

LMW42_20230201, LMW50_20230201, and LMW51_20230201. The associated results are qualified J based on a potential bias.

Total and Dissolved Metals by SW-846 Method 6010D

23A1409

The serial dilution performed on sample LWM-47_20230130 exhibited percent differences above the control limit for iron (13.4%) and manganese (13.3%). The associated results are qualified as J because of potential indeterminate bias.

TDS by Method 2540C

23A1484

The FB (FB_20230131) exhibited a detection of TDS (78 mg/L). The associated results in samples LMW-35_20230131, LMW-36_20230131, LMW-37_20230131, LMW-48_20230131, LMW-49_20230131, and DUP_20230131 are qualified as J because of potential blank contamination. Associated samples >10x the blank contamination did not require qualification.

pH by Method 4500

23A1484

Sample LMW-37_20230131 exhibited an exceedance of the recommended holding time for pH. The associated results in sample LMW-37_20230131 are qualified as J because of potential bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

23A1409

The LCS/LCSD for batch BB30458 exhibited a percent recovery above the UCL for chloromethane (134%, 141%). The associated results are non-detect. No qualification is necessary.

23A1484

The FB (FB_20230131) exhibited a detection of methylene chloride (1.6 ug/L). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BB30458 exhibited a percent recovery above the UCL for chloromethane (134%, 141%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample LMW-36_20230131 exhibited percent recoveries and RPDs outside of control limits for the majority of analytes. Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

The LCS/LCSD for batch BB30566 exhibited a percent recovery above the UCL for methylene chloride (166%, 178%). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BB30611 exhibited percent recoveries outside of control limits for methyl acetate (141%) and tetrachloroethene (50.9%, 48.5%). This LCS/LCSD also exhibited an RPD above UCL for methyl acetate (43.8%). The associated results in sample LMW-36_20230131 (dilution) and DUP_20230131 (dilution) are not reported from these analyses, so no qualification is required.

23B0051

The MB for batch BB30566 exhibited a detection of methylene chloride (2.6 ug/L). The associated results are >10X the contamination. No qualification is necessary.

Total and Dissolved Metals by SW-846 Method 6010D

23A1409

The MS performed on sample LWM-47_20230130 exhibited a percent recovery below the LCL for iron (60.8%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Anions by SW-846 Method 300.0/4500

23A1484

The FB (FB_20230131) exhibited a detection of chloride (0.148 mg/L). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample LMW-36_20230131 exhibited percent recoveries below the LCL for chloride (-803%) and sulfate (-3300%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

23B0051

The MS performed on sample LMW-41_20230201 exhibited percent recoveries below the LCL for chloride (%) and sulfate (%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Alkalinity by Method 2320B

23A1484

The FB (FB_20230131) exhibited a detection of alkalinity (12 mg/L). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pairs was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to and met the precision criteria:

- DUP_20230131 and LMW-36_20230131

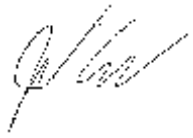
The field duplicate and parent sample (DUP_20230131 and LMW-36_20230131) exhibited RPDs above the control limit for dissolved iron (35.5%) and total iron (50.1%). The associated results are qualified as J because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 23 - 30 Borden Avenue
January - Febraury 2023 Groundwater Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
23A1409	LMW-43_20230130	SW8260	79-01-6	Trichloroethene	UJ
23A1409	LMW-44_20230130	SW8260	79-01-6	Trichloroethene	UJ
23A1409	LMW-45_20230130	SW8260	108-10-1	4-Methyl-2-Pentanone	UJ
23A1409	LMW-45_20230130	SW8260	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
23A1409	LMW-45_20230130	SW8260	127-18-4	Tetrachloroethene	UJ
23A1409	LMW-45_20230130	SW8260	591-78-6	2-Hexanone	UJ
23A1409	LMW-46_20230130	SW8260	108-10-1	4-Methyl-2-Pentanone	UJ
23A1409	LMW-46_20230130	SW8260	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
23A1409	LMW-46_20230130	SW8260	127-18-4	Tetrachloroethene	UJ
23A1409	LMW-46_20230130	SW8260	591-78-6	2-Hexanone	UJ
23A1409	LMW-47_20230130	SW6010	7439-89-6	Iron	J
23A1409	LMW-47_20230130	SW6010	7439-96-5	Manganese	J
23A1409	LMW-47_20230130	SW8260	108-10-1	4-Methyl-2-Pentanone	UJ
23A1409	LMW-47_20230130	SW8260	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
23A1409	LMW-47_20230130	SW8260	127-18-4	Tetrachloroethene	UJ
23A1409	LMW-47_20230130	SW8260	591-78-6	2-Hexanone	UJ
23A1484	DUP_20230131	E300.0	14797-65-0	Nitrite	UJ
23A1484	DUP_20230131	SM 2320 B	ALK	Alkalinity	J
23A1484	DUP_20230131	SW6010	7439-89-6	Iron	J
23A1484	DUP_20230131	SW6010	7439-89-6	Iron	J
23A1484	LMW-35_20230131	SW8260	591-78-6	2-Hexanone	UJ
23A1484	LMW-35_20230131	SW8260	108-10-1	4-Methyl-2-Pentanone	UJ
23A1484	LMW-35_20230131	SW8260	127-18-4	Tetrachloroethene	UJ
23A1484	LMW-35_20230131	SW8260	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
23A1484	LMW-36_20230131	E300.0	14797-65-0	Nitrite	UJ
23A1484	LMW-36_20230131	SM4500	14797-55-8	Nitrate	UJ
23A1484	LMW-36_20230131	SW6010	7439-89-6	Iron	J
23A1484	LMW-36_20230131	SW6010	7439-89-6	Iron	J
23A1484	LMW-36_20230131	SW8260	127-18-4	Tetrachloroethene	UJ
23A1484	LMW-37_20230131	SM 2320 B	ALK	Alkalinity	J
23A1484	LMW-37_20230131	SM2540C	E-10173	Total Dissolved Solids	J
23A1484	LMW-37_20230131	SW8260	591-78-6	2-Hexanone	UJ
23A1484	LMW-37_20230131	SW8260	108-10-1	4-Methyl-2-Pentanone	UJ
23A1484	LMW-37_20230131	SW8260	127-18-4	Tetrachloroethene	UJ
23A1484	LMW-37_20230131	SW8260	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
23A1484	LMW-37_20230131	SW9045D	PH	pH	J
23A1484	LMW-48_20230131	SM 2320 B	ALK	Alkalinity	J
23A1484	LMW-48_20230131	SM2540C	E-10173	Total Dissolved Solids	J
23A1484	LMW-48_20230131	SW8260	591-78-6	2-Hexanone	UJ
23A1484	LMW-48_20230131	SW8260	108-10-1	4-Methyl-2-Pentanone	UJ
23A1484	LMW-48_20230131	SW8260	127-18-4	Tetrachloroethene	UJ
23A1484	LMW-48_20230131	SW8260	110-57-6	Trans-1,4-Dichloro-2-Butene	UJ
23A1484	LMW-49_20230131	SM 2320 B	ALK	Alkalinity	J
23A1484	LMW-49_20230131	SM2540C	E-10173	Total Dissolved Solids	J

Data Usability Summary Report
For 23 - 30 Borden Avenue
January - Febraury 2023 Groundwater Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
23A1484	LMW-49_20230131	SW8260	127-18-4	Tetrachloroethene	J
23B0051	LMW-39_20230201	SW8260	75-09-2	Methylene Chloride	J
23B0051	LMW-38_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-38_20230201	SW8260	127-18-4	Tetrachloroethene	UJ
23B0051	LMW-38_20230201	SW8260	75-09-2	Methylene Chloride	J
23B0051	LMW-39_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-39_20230201	SW8260	127-18-4	Tetrachloroethene	UJ
23B0051	LMW-40_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-40_20230201	SW8260	127-18-4	Tetrachloroethene	UJ
23B0051	LMW-41_20230201	E300.0	14797-65-0	Nitrite	UJ
23B0051	LMW-41_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-41_20230201	SM4500	14797-55-8	Nitrate	UJ
23B0051	LMW-41_20230201	SW8260	127-18-4	Tetrachloroethene	UJ
23B0051	LMW-41_20230201	SW8260	75-09-2	Methylene Chloride	J
23B0051	LMW-42_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-42_20230201	SW8260	127-18-4	Tetrachloroethene	UJ
23B0051	LMW-42_20230201	SW8260	75-09-2	Methylene Chloride	J
23B0051	LMW-50_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-50_20230201	SW8260	127-18-4	Tetrachloroethene	UJ
23B0051	LMW-51_20230201	SM 2320 B	ALK	Alkalinity	J
23B0051	LMW-51_20230201	SW8260	127-18-4	Tetrachloroethene	UJ

APPENDIX O

Additional Groundwater Quality Readings

Appendix O
Additional Groundwater Quality Parameters
Emulsified Zero-Valent Iron Remedial Injection Summary Report

23-30 Borden Avenue Development
Queens, New York
Langan Project No.: 100766601

Well ID	Parameters	Units	Date Measured						
			10-Apr	11-Apr	13-Apr	14-Apr	17-Apr	18-Apr	19-Apr
LMW-36	Temperature	ºC	11.56	-	12.9	22.32	11.96	11.81	-
	pH	pH Units	6.38	-	7.84	7.82	7.33	7.19	-
	ORP	mV	246	-	-142	252	313	328	-
	SC	mS/cm	1.74	-	1.71	1.42	1.73	1.75	-
	Turbidity	NTU	0	-	0	0	0	0	-
	DO	mg/L	4.13	-	0.78	1.78	8.06	1.97	-
LMW-37	Temperature	ºC	-	16.95	13.09	14.01	12.2	12.02	-
	pH	pH Units	-	6.98	7.15	7.45	7.03	7.31	-
	ORP	mV	-	-115	-145	97	-107	140	-
	SC	mS/cm	-	1.68	1.71	1.66	1.78	1.76	-
	Turbidity	NTU	-	0	0	0	0	0	-
	DO	mg/L	-	0.68	1	6.45	6.55	2.32	-
LMW-40	Temperature	ºC	12.5	-	14.86	13.86	12.57	12.08	-
	pH	pH Units	6.85	-	7.13	7.09	7.01	7.53	-
	ORP	mV	50	-	-15	86	103	217	-
	SC	mS/cm	1.85	-	1.78	1.79	1.91	1.89	-
	Turbidity	NTU	0	-	0	0	0	0	-
	DO	mg/L	0.72	-	0.7	5.73	6.56	7.93	-
LMW-48	Temperature	ºC	-	-	-	-	-	-	12.23
	pH	pH Units	-	-	-	-	-	-	6.9
	ORP	mV	-	-	-	-	-	-	312
	SC	mS/cm	-	-	-	-	-	-	1.25
	Turbidity	NTU	-	-	-	-	-	-	0
	DO	mg/L	-	-	-	-	-	-	1.67

Notes:
ºC - degree celsius
pH - potential hydrogen
mV - millivolts
mg/L - milligrams per liter
mS/cm - milliSiemens per centimetre
ORP - oxidation reduction potential
DO - dissolved oxygen
SC - specific conductivity
NTU - nephelometric turbidity unit
Grab samples were collected from each well after three well volume purges and were analyzed with a Horiba.