PHASE II ENVIRONMENTAL INVESTIGATION REPORT

for

213 Meadow Street
Block 2951, Lots 1, 5, and 45
Brooklyn, New York

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1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this report to document the results of a Phase II Environmental Investigation (Phase II EI) completed at the above referenced property. A site location map is provided as Figure 1. The investigation was completed to assess potential subsurface impacts at the site.

1.1 Site Description

The site is an approximately 56,200-square-foot property located at Block 2951, Lots 1, 5, and 45 in Brooklyn, New York. The property is mostly undeveloped with a small one-story structure located on Lot 45 and is currently occupied by Castle Demolition truck storage and repairs, food truck storage, and scaffolding storage areas. The project site is zoned M3-1 Heavy Manufacturing District.

The site is bound to the north by an undeveloped lot used for automobile junking and storage, followed by Ten Eyck Street and a one-story industrial/ manufacturing building; to the east by the undeveloped lot used for automobile junking and storage followed by Stewart Avenue and a two-story industrial/manufacturing building complex; to the south by Meadow Street followed by a two-story industrial/manufacturing building and parking areas; and, to the west by Varick Avenue followed by a two-story industrial/manufacturing waste management building and transfer station. The subject property is located within an area of dense industrial and manufacturing development on the city block bound by Ten Eyck Street to the north, Stewart Avenue to the east, Meadow Street to the south, and Varick Avenue to the west.

1.2 Historical Site Use

Sanborn Fire Insurance Maps were reviewed. According to the Sanborn Maps, the subject property was operated for oil truck parking, junk yards, and auto wrecking on the western portion of the property from 1965 through 2007 and as a solid waste transfer facility for yard waste and residential, institutional, and commercial waste from at least 2004 through 2012. Historical and current uses of surrounding sites includes a private garage with truck repair, paint room, gasoline tank, wire product manufacturing, an oil/fuel company, metals stamping, and metal products manufacturing between 1951 and 2007, a vinyl plastics company and a chemical products company with manufacturing

facilities between 1965 and 2007, gasoline storage between 1933 and 1988, auto wrecking between 1965 and 1977, an automobile repair facility (1933-1987), filling stations (1933-1968), and an oil terminal (1933-1968).

According to the City Directory Abstract, the subject property listings consist of auto wrecking and demolition and salvage companies.

The site is identified in the NY Spills database for a release reported to the department on 31 March 1994 and assigned NYSDEC Spill No. 9315532. According to the case narrative provided by EDR, a tank truck spilled approximately 5-gallons of diesel onto the concrete and clean up was in progress at the time the spill was reported. No additional information was provided and the spill was administratively closed on 31 March 1994.

1.3 Geological and Hydrogeological Conditions

Based on borings completed during the February 2022 Phase II EI, stratigraphy in the western portion of the site consists of a 1- to 2-foot-thick layer of concrete underlain by 4 to 6 feet of fill followed by sand, silty sand, and clay. The central portion of the site consists of a 6-foot layer of fill underlain by sand with no concrete present. The eastern portion of the site consists of a 2-foot-thick layer of concrete, underlain by a 6- to 15-foot layer of fill underlain by sand, silt, and clay. All borings were completed to approximately 20 feet below ground surface (bgs). The top of a peat layer was encountered between 18.5 and 19.5 feet bgs in the western and eastern portions of the site.

The "Surficial Geologic Map of New York" by the New York State Museum State Geological Survey indicates that the surficial geology at the site consists of till which is generally an impermeable layer comprised of poorly sorted and variably sized clasts. According to the "Bedrock and Engineering Geologic Maps of New York County" by Charles A. Baskerville the site is underlain by the Hartland Formation which consists of interbedded units of feldspar, schist, and amphibolite.

Groundwater was encountered between 9.5 feet bgs in LMW-1 and 11.5 feet bgs in LMW-4, completed during the Phase II EI. Based on site/area topography, groundwater flow is anticipated to be to the west, toward English Kills, a tributary of Newton Creek.

2.0 PHASE II ENVIRONMENTAL INVESTIGATION

Langan completed this Phase II investigation in February 2022 to assess if adverse subsurface environmental impacts have resulted from historical operations at the site and surrounding sites.

The investigation included the installation of seven soil borings, four groundwater monitoring wells, four soil vapor sampling points, and the collection of soil, groundwater, and soil vapor samples for laboratory analysis. The borings, monitoring wells, and soil vapor sample locations were biased towards the locations of historical auto wrecking operations and onsite ASTs and drum storage. All soil boring, monitoring well, and soil vapor sampling locations are shown on Figure 2.

2.1 Geophysical Utility Clearance

The geophysical utility clearance was completed on 3 February 2022 by Hager Richter Geoscience, Inc. of Fords, New Jersey using ground penetrating radar (GPR) and precision utility location (PUL). The purpose of the geophysical utility clearance was to identify any underground structures within the survey area and to clear the proposed soil boring locations for utilities. The clearance was completed in a 10-foot radius around six of the seven soil boring locations, as one soil boring location in Lot 5 was not accessible at the time of the survey.

Small unidentified buried objects were detected in the vicinity of LSB-3, LSB-4, and LSB-7. A possible electric utility was identified in the vicinity of LSB-2 and possible water lines were detected at LSB-5 and LSB-7. Based on these findings, boring locations were moved at least five feet from any suspected utility or unidentified buried object. The soil investigation at LSB-1 on Lot 5 was hand-cleared to 5 feet bgs prior to the start of drilling to confirm that no below ground utilities would be disturbed during the investigation activities. The geophysical survey report is provided as Attachment A.

2.2 Soil Investigation and Field Observations

On 3 and 4 February 2022, seven soil borings (LSB-1 through LSB-7) were completed by AARCO Environmental Services, Corp. (AARCO) of Lindenhurst, New York. The borings were completed to 20 feet bgs with a track-mounted Geoprobe® 7782DT direct push drill rig. Three soil borings (LSB-5 through LSB-7) were completed in the eastern portion of the Lot 45 footprint to assess

potential impacts from the drum storage area, three active 275-gallon ASTs, and one out-of-service AST. Three soil borings (LSB-1 through LSB-3) were completed across Lots 1 and 5 to assess potential impacts from historical auto wrecking and oil truck parking operations. One soil boring (LSB-4) was completed in the western portion of Lot 45 to assess general site conditions.

All soil boring locations are shown on Figure 2, soil sample analytical results are provided in Table 1 and summarized on Figure 3. Soil boring logs are provided in Attachment B and complete laboratory data packages are provided in Attachment D.

Continuous macrocore samples were collected to the bottom of each boring. Field screening of soil during sample collection for volatile organic compounds (VOCs) using a photo-ionization detector (PID) was completed during the installation of all seven soil borings and all soil samples were screened for visual or olfactory evidence of impacts. PID readings above background were detected up to 4.8 parts-per-million (ppm) at LSB-2 at 17 feet bgs, 7.9 ppm at LSB-4 at 4 feet bgs, 52.7 ppm at LSB-5 at 15.5 feet bgs, and up to 171 ppm at LSB-6 at 8 feet bgs. Odors were observed at all borings except for LSB-3. Staining was not observed in any soil borings completed as part of the Phase II EI.

Eleven soil samples were collected for chemical analysis during the Phase II EI. Three discrete soil samples were collected from LSB-3, two discrete soil samples were collected from LSB-1 and LSB-5, and one discrete soil sample was collected from LSB-2, LSB-4, LSB-6, and LSB-7. One sample was collected from the 2-foot interval with the highest PID screening results or physical evidence of impacts (i.e., odors). If no impacts were identified, soil samples were collected from within the fill layer. Soil samples were collected from the interval exhibiting the highest level of impacts as determined by PID screening results and odors from 4 to 6 feet bgs at LSB-1 and LSB-4, from 8 to 10 feet bgs at LSB-6, and from 15 to 17 feet bgs at LSB-5. Soil samples were collected from the fill layer from 2 to 4 feet bgs at LSB-1, LSB-2, LSB-3, and LSB-7, from 4 to 6 feet bgs at LSB-3, and from 4 to 7 feet bgs at LSB-5. One sample was collected from the 2-foot interval immediately above inferred groundwater from 8 to 10 feet bgs at LSB-3.

Soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for NYSDEC Part 375-specified volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated

biphenyls (PCBs), herbicides, target analyte list (TAL) metals, total cyanide, trivalent and hexavalent chromium, 1,4-dioxane, and perfluoroalkyl substances (PFAS). Four soil samples, LSB-1 from 2 to 4 feet bgs, LSB-3 from 4 to 6 feet and 8 to 10 feet bgs, and LSB-5 from 4 to 7 feet were analyzed for polycyclic aromatic hydrocarbons (PAHs) and TAL Metals, only.

Soil Sampling Quality Assurance/Quality Control

All soil sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. Each macrocore was lined with a dedicated acetate liner prior to the collection of each 5-foot-long soil sample collected in the use of the Geoprobe® 7782DT. Soil samples were then placed in glass jars supplied by the laboratory. Soil samples collected for VOCs were obtained via a plunger calibrated to collect approximately 5 grams of soil and then placed in a vial that was preserved with methanol or distilled water.

Each soil sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed and were stored at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control samples (field blanks, equipment blanks, and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one duplicate sample, three equipment blanks, and two trip blanks during the Phase II EI. The Phase II EI soil duplicate and field blank sample were analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, total cyanide, PFAS, and 1,4-dioxane. The equipment blanks were analyzed for PFAS and 1,4-dioxane only. The trip blank samples were analyzed for VOCs only.

2.3 Groundwater Investigation and Field Observations

On 3 and 4 February 2022, four groundwater monitoring wells (LMW-1 through LMW-4) were installed by a licensed well driller from AARCO. Monitoring wells were completed to approximately 20 feet bgs at all four locations. LMW-1 was installed at LSB-2 to assess for impacts from oil truck parking. LMW-2 was installed at LSB-4, to assess general site conditions. LMW-3 and LMW-4, installed at LSB-5 and LSB-6 respectively, were installed to assess impacts from onsite ASTs and drum storage in Lot 45. The monitoring wells were

constructed with 10 feet of 2-inch diameter Schedule 40 PVC well screen and 10 feet of 2-inch diameter PVC riser. Monitoring well locations were measured in the field from the nearest property boundary and are shown on Figure 2. Monitoring well construction logs are provided in Attachment B.

Groundwater levels were measured prior to sampling with an oil/water interface probe. Light non-aqueous phase liquid (LNAPL) was not detected in any of the groundwater monitoring wells and groundwater was measured to be approximately 9.5 feet bgs in monitoring wells LMW-1 and 11.5 feet bgs in monitoring well LMW-4.

On 7 and 8 February 2022, four groundwater samples (LMW-1 through LMW-4) were collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods using dedicated polyethylene tubing and a peristaltic pump at each location. Groundwater field parameters, including pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were measured during low-flow purging activities at the remaining wells during purging activities. No evidence of sheen, or free product were observed during purging or sampling activities in any of the wells. Odors were observed at LMW-3 and LMW-4 during the beginning purging. Groundwater analytical results are provided in Table 2 and are summarized on Figure 4. Low-flow groundwater sampling logs are provided in Attachment C and a complete laboratory data package is provided in Attachment D.

Groundwater samples were submitted to York for NYSDEC Part 375-specified VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, total cyanide, PFAS, and 1,4-dioxane analysis.

Groundwater Sampling Quality Assurance/Quality Control

Collected groundwater samples were placed in containers supplied by the laboratory with the appropriate preservatives. Each groundwater sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed and were stored prior to submission to the laboratory at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control samples (field blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, two trip blanks, two equipment blanks, and one duplicate sample for groundwater samples collected during the Phase II EI. The groundwater field blank and duplicate samples were analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, total cyanide, PFAS, and 1,4-dioxane. The equipment blanks were analyzed for PFAS and 1,4-dioxane. The trip blank was analyzed for VOCs only.

2.4 Soil Vapor Investigation and Field Observations

On 8 February 2022, four soil vapor sampling points (LSV-1 through LSV-4) were installed and five soil vapor samples, including one duplicate sample, were collected for chemical analysis during the Phase II EI. Soil vapor sampling locations are shown on Figure 2. LSV-1 was installed adjacent to LSB-1 and LSV-2 was installed adjacent to LSB-2 to assess historical site operations. LSV-3 was installed adjacent to LSB-4 to assess general site conditions. LSV-4 was installed adjacent to LSB-6 to assess for impacts from the onsite ASTs.

Soil vapor sampling points were installed approximately 2-feet above the observed groundwater interface as measured in the installed monitoring wells. Soil vapor sampling logs are included in Attachment C. Methodologies used for soil vapor assessment conform to the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006.

Temporary soil vapor sampling points were installed using Teflon-lined polyethylene tubing connected to a dedicated expendable six-inch stainless steel screen. Quartz filter media was used to backfill the screened interval followed by No. 2 sand to approximately 0.5-feet above the screened interval followed by a hydrated granular bentonite clay to the ground surface. Each soil vapor sampling location was sealed at the surface with hydrated bentonite clay.

Each soil vapor sampling point was tightness tested using the helium tracer gas method and purged at a flow-rate of <200-ml per minute. No evidence of helium breakthrough (i.e., helium concentrations above 5%) was observed in any of the sample locations prior to sample collection. PID readings for VOCs ranging from 32 ppb in LSV-3 to 580 ppb in LSV-4 were observed during field screening at each location.

Soil Vapor Sampling Quality Assurance/Quality Control

Soil vapor samples were collected in laboratory-cleaned and certified evacuated 6-Liter stainless steel summa canisters with regulators supplied by York. The regulators were set to collect each sample over a 2-hour sampling period (a flow rate of <200-ml per minute) as per USEPA soil vapor sampling guidance. Each soil vapor sample was numbered and recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed and stored at a maximum room temperature of 30° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

A quality control sample was incorporated into the sampling event and consisted of one duplicate sample submitted for VOC analysis.

3.0 PHASE II ENVIRONMENTAL INVESTIGATION FINDINGS

Soil, groundwater, and soil vapor samples collected during this Phase II, including all QA/QC samples, were submitted to York for the analyses listed above. Soil sample laboratory analytical results were compared to NYSDEC Protection of Groundwater Soil Cleanup Objectives (SCOs), Commercial Restricted Use SCOs (RUSCOs), and Industrial RUSCOs. Groundwater sample laboratory analytical results were compared to NYSDEC Ambient Water Quality Standards and Guidance Value (SGVs). Soil vapor laboratory analytical results were compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion Matrices A through C dated October 2006 and revised in May 2017. Soil, groundwater, and soil vapor analytical results are summarized in Tables 1, 2 and 3, respectively. Laboratory analytical data packages are included in Appendix D.

3.1 Soil Analytical Results

All soil analytical results were compared to the NYSDEC Protection of Groundwater SCOs, Commercial RUSCOs, and Industrial RUSCOs and are presented in Table 1 and summarized on Figure 3. Sample depths are identified as depth below ground surface (bgs).

VOCs

Acetone (0.067 mg/kg), a common laboratory artifact, was detected in exceedance of the Protection of Groundwater SCO in the sample collected from 15 to 17 feet bgs in LSB-5.

SVOCs

Analytical results revealed exceedances of the NYSDEC Commercial RUSCOs, Industrial RUSCOs, and/or Protection of Groundwater SCOs for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and dibenzo(a,h)anthracene, in LSB-2, LSB-3, and LSB-7 from 2 to 4 feet bgs, in LSB-4 from 4 to 6 feet bgs, in LSB-5 from 4 to 7 feet bgs, and in LSB-3 from 8 to 10 feet bgs.

- Exceedances of Protection of Groundwater SCOs include benzo(a)anthracene (1.61 mg/kg – 11.6 mg/kg), benzo(b)fluoranthene (2.68 mg/kg – 7.91 mg/kg), benzo(k)fluoranthene (2.65 mg/kg – 7.8 mg/kg), and chrysene (1.02 mg/kg – 11.7 mg/kg).
- Exceedances of Commercial RUSCOs include benzo(a)anthracene (10.3 mg/kg – 11.6 mg/kg), benzo(a)pyrene (1.49 mg/kg – 9.58 mg/kg), benzo(b)fluoranthene (6.54 mg/kg – 7.91 mg/kg), and dibenzo(a,h)anthracene (0.772 mg/kg – 1.31 mg/kg).
- Exceedances of the Industrial RUSCOs include benzo(a)anthracene (11.6 mg/kg), benzo(a)pyrene (1.49 mg/kg – 9.58 mg/kg), and dibenzo(a,h)anthracene (1.31 mg/kg).

Metals

Analytical results revealed exceedances of the NYSDEC Commercial RUSCOs, Industrial RUSCOs, and/or Protection of Groundwater SCOs for arsenic, barium, copper, lead, and mercury in LSB-1, LSB-2, and LSB-3 from 2 to 4 feet bgs, in LSB-3 from 4 to 6 feet bgs, in LSB-5 from 4 to 7 feet bgs, and in LSB-6 from 8 to 10 feet bgs.

- Exceedances of Protection of Groundwater SCOs include arsenic (32.3 mg/kg – 41.8 mg/kg), barium (1,140 mg/kg), lead (531 mg/kg – 1,420 mg/kg), and mercury (0.868 mg/kg – 1.25 mg/kg).
- Commercial RUSCOs exceedances include arsenic (32.3 mg/kg – 41.8 mg/kg), barium (452 mg/kg – 1,140 mg/kg), copper (303 mg/kg – 445 mg/kg), and lead (1,420 mg/kg).
- Exceedances of the Industrial RUSCOs include arsenic (32.3 mg/kg – 41.8 mg/kg).

PFAS

Perfluorooctanesulfonic Acid (PFOS) (0.0107 mg/kg) was detected in exceedance of the proposed regulatory Protection of Groundwater SCO identified in the Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs dated June 2021 in the sample collected from 4 to 6 feet bgs in LSB-4.

No exceedances of the NYSDEC Commercial RUSCOs, Industrial RUSCOs, or Protection of Groundwater SCOs were detected for PCBs, pesticides, and herbicides.

3.2 Groundwater Analytical Results

All groundwater analytical results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Value (SGVs) and are presented in Table 2 and summarized on Figure 4.

VOCs

Analytical results revealed exceedances of the NYSDEC SGVs for the VOC acetone (127 µg/l), a common laboratory artifact, in LMW-1.

SVOCs

Analytical results revealed exceedances of the NYSDEC SGVs for the SVOCs benzo(a)anthracene (0.0778 µg/l – 0.5 µg/l), benzo(a)pyrene (0.0778 µg/l – 0.48 µg/l), benzo(b)fluoranthene (0.0667 µg/l – 0.39 µg/l), benzo(k)fluoranthene (0.0667 µg/l – 0.38 µg/l), and chrysene (0.0778 µg/l – 0.59 µg/l) in LMW-1 and LMW-4 and indeno(1,2,3-cd)pyrene (0.3 µg/l) in LMW-1.

Metals

Analytical results revealed exceedances of the NYSDEC SGVs for metals in all four monitoring wells including lead (31.3 µg/l – 92.5 µg/l), magnesium (42,500 µg/l – 94,500 µg/l), manganese (774 µg/l – 1,030 µg/l), and sodium (53,200 µg/l – 412,000 µg/l).

PFAS

Analytical results revealed exceedances of the screening values provided in the Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs (June 2021) in all four monitoring wells including PFOS (0.0794 µg/l – 0.115 µg/l) and perfluorooctanoic acid (PFOA) (0.0608 µg/l – 0.135 µg/l).

No exceedances of the NYSDEC SGVs were detected for PCBs, pesticides, or herbicides.

3.3 Soil Vapor Analytical Results

All soil vapor analytical results were compared to the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion Matrices A through C dated October 2006 and

revised in May 2017. These results are presented in Table 3 and summarized on Figure 5.

The following compounds are included in the decision matrices in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion:

- Carbon tetrachloride
- 1,1,1-Trichloroethane (1,1,1-TCA)
- cis-1,2-DCE
- Methylene chloride
- TCE
- PCE
- 1,1-Dichloroethene (1,1-DCE)
- Vinyl Chloride

Concentrations of 1,1,1-TCA, 1,1-DCE, cis-1,2-DCE, PCE, and vinyl chloride were not detected in any of the soil vapor samples collected. The following VOCs were detected in soil vapor samples collected across the site:

- Carbon tetrachloride, with a concentration of 0.279 µg/m^3;
- Methylene chloride, with concentrations ranging from 4.67 µg/m^3 to 6.20 µg/m^3; and,
- TCE, with a concentration of 0.397 µg/m^3.

Comparison of these results to the applicable NYSDOH Guidance Values did not reveal detections at concentrations that would require mitigation.

3.4 Data Usability Summary Reports (DUSRs)

DUSRs were prepared for data collected during the investigation. The DUSRs were prepared in accordance with DER-10 and reviewed by Langan's in-house validator before issuance. The DUSRs present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of deficiencies for each analytical method. DUSRs are provided in Appendix E.

All data are considered usable, as qualified. Some data qualifiers were appended to the reported results, which have been included in the respective data summary tables (Tables 1 through 3).

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical results of the Phase II EI, the presence of contaminated fill was detected in soil samples collected to a depth of 10 feet on the western side of the site, 4 feet bgs in the central portion of the site, and to 10 feet bgs on the eastern side of the site (acetone, a common laboratory artifact, was detected at 17 feet bgs on the eastern side of the site). Elevated concentrations of SVOCs and/or metals above the Protection of Groundwater SCOs and/or Commercial and Industrial RUSCOs at each of the 7 soil boring locations.

SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and/or dibenzo(a,h)anthracene were detected in all borings except LSB-1 and LSB-6 above the Commercial RUSCOs, Protection of Groundwater and/or Restricted Industrial RUSCOs. Metals including arsenic, barium, copper, lead and/or mercury were detected in all soil borings except LSB-4 and LSB-7 at concentrations exceeding the Commercial RUSCOs, Protection of Groundwater SCOs, and/or Industrial RUSCOs. PFOS was detected at LSB-4 above the proposed regulatory Unrestricted Use SCOs, Protection of Groundwater RUSCOs and may be attributed to historical site operations or an unknown off-site source. Petroleum- or solvent-related VOCs, herbicides, pesticides, and PCBs were not detected above the SCOs in any of the soil samples collected, but odors were detected in all of the borings except one and elevated PID readings were also detected, suggesting that weathered petroleum contamination, nuisance soil conditions, or additional contamination may be present.

Metals, including lead, magnesium, manganese, and/or sodium, were detected in exceedance of the NYSDEC SGVs in all four monitoring wells (LMW-1 through LMW-4). Detections of total lead in groundwater is likely attributable to sediment entrainment in the samples; the remaining metals detected above the SGVs are likely the result of natural background conditions. SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected in LMW-1 and LMW-4. PFOS and PFOA was detected in all four monitoring wells above the NYSDEC screening values and may be attributed to historical site operations or an unknown off-site source. Petroleum- or solvent-related VOCs, herbicides, pesticides, and PCBs were not detected above the SGVs in any of the groundwater samples collected. Odors were also detected in two wells.

Three out of the eight chlorinated VOCs that are listed in the New York State Department of Health (NYSDOH) Vapor Intrusion Guidance Decision Matrices were detected at concentrations below those that would require monitoring or mitigation when compared

against the matrices screening levels. Based on the soil and groundwater analytical results, the presence of fill contaminated with metals, SVOCs, and PFAS up to 10 feet bgs was identified. The presence of contaminated fill will require special handling and disposal requirements during disturbance of this material during future site work.

Field observations during the Phase II EI included odors, which were detected in all soil borings with the exception of LSB-3. Odors were observed between 3 and 6 feet bgs on the western and in the central portion of the site and from the surface to 20 feet bgs on the eastern side of the site. The highest PID readings were also detected on the eastern side of the site, ranging from 15.9 ppm to 171 ppm between 5.5 and 17 feet bgs in LSB-5 and LSB-6, which were advanced in the vicinity of the drum storage area and the 275-gallon ASTs, respectively. Odors were also observed at the beginning of purging the monitoring wells installed at these locations (LMW-3 and LMW-4). Although the laboratory analytical results did not identify evidence of a petroleum release in soil or groundwater, the quality of fill or historical surficial spills may have contributed to the presence of degraded petroleum compounds in the subsurface as observed by olfactory observations and PID detections. Degraded petroleum and the presence of peat observed between 18.5 and 19.5 feet bgs may also potentially contribute to the presence of methane in these layers.

This Phase II EI was limited in scope and additional areas of impacts may exist at the site that may be encountered as part of any redevelopment activities. If encountered, additional areas of impacts would require additional investigation to determine the nature and extent of these impacts.

TABLES

Table 1
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	LSB-1	LSB-1	LSB-2	LSB-3	LSB-3	LSB-3	LSB-4	LSB-5	LSB-5	LSB-6	LSB-7	LSB-7
					Sample Name	015_LSB-1_2-4	016_LSB-1_4-6	001_LSB-2_2-4	003_LSB-3_2-4	004_LSB-3_4-6	005_LSB-3_8-10	008_LSB-4_4-6	023_LSB-5_4-7	025_LSB-5_15-17	022_LSB-6_8-10	026_LSB-7_2-4	029_DUP-1
					Sample Date	02/04/2022	02/04/2022	02/03/2022	02/03/2022	02/03/2022	02/03/2022	02/03/2022	02/04/2022	02/04/2022	02/04/2022	02/04/2022	02/04/2022
					Sample Depth	2-4	4-6	2-4	2-4	4-6	8-10	4-6	4-7	15-17	8-10	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1,1-Trichloroethane	71-55-6	0.68	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1-Dichloroethane	75-34-3	0.27	240	480	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1-Dichloroethene	75-35-4	0.33	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 UJ	<0.0026 UJ	NA	NA	<0.0027 UJ	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	380	mg/kg	NA	0.0089	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2-Dichlorobenzene	95-50-1	1.1	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2-Dichloroethane	107-06-2	0.02	30	60	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	190	380	mg/kg	NA	0.0034 J	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,3-Dichlorobenzene	541-73-1	2.4	280	560	mg/kg	NA	<0.0023 U	<0.0021 UJ	<0.0026 UJ	NA	NA	<0.0027 UJ	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,4-Dichlorobenzene	106-46-7	1.8	130	250	mg/kg	NA	<0.0023 U	<0.0021 UJ	<0.0026 UJ	NA	NA	<0.0027 UJ	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	130	250	mg/kg	NA	<0.046 U	<0.043 U	<0.052 U	NA	NA	<0.054 U	NA	<0.056 U	<0.042 U	<0.042 U	<0.066 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Acetone	67-64-1	**0.05**	500	1000	mg/kg	NA	0.027	0.035	0.031	NA	NA	0.017	NA	**0.067**	0.033	<0.0042 U	<0.0066 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	NA	<0.0046 U	<0.0043 U	<0.0052 U	NA	NA	<0.0054 U	NA	<0.0056 U	<0.0042 U	<0.0042 U	<0.0066 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Benzene	71-43-2	0.06	44	89	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	0.033	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Carbon Tetrachloride	56-23-5	0.76	22	44	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Chlorobenzene	108-90-7	1.1	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Chloroform	67-66-3	0.37	350	700	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Cis-1,2-Dichloroethene	156-59-2	0.25	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Ethylbenzene	100-41-4	1	390	780	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 UJ	<0.0026 UJ	NA	NA	<0.0027 UJ	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	NA	0.0066	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	NA	<0.0046 U	<0.0043 U	<0.0052 U	NA	NA	<0.0054 U	NA	<0.0056 U	<0.0042 U	<0.0042 U	<0.0066 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	0.004 J	<0.0021 U	<0.0021 U	<0.0033 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	500	1000	mg/kg	NA	0.0086	0.0097	0.0066	NA	NA	0.0028 J	NA	0.014	0.011	<0.0021 U	<0.0033 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Methylene Chloride	75-09-2	0.05	500	1000	mg/kg	NA	<0.0091 U	<0.0043 U	<0.0052 U	NA	NA	<0.0054 U	NA	<0.011 U	<0.0042 U	<0.0084 U	<0.0066 U
n-Butylbenzene	104-51-8	12	500	1000	mg/kg	NA	0.0058	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
n-Propylbenzene	103-65-1	3.9	500	1000	mg/kg	NA	0.0074	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Sec-Butylbenzene	135-98-8	11	500	1000	mg/kg	NA	0.0071	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Styrene	100-42-5	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
T-Butylbenzene	98-06-6	5.9	500	1000	mg/kg	NA	<0.0023 U	<0.0021 UJ	<0.0026 UJ	NA	NA	<0.0027 UJ	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Tert-Butyl Methyl Ether	1634-04-4	0.93	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Tetrachloroethene (PCE)	127-18-4	1.3	150	300	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 UJ	<0.0021 U	<0.0021 UJ	<0.0033 UJ
Toluene	108-88-3	0.7	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Total Xylenes	1330-20-7	1.6	500	1000	mg/kg	NA	<0.0068 U	<0.0064 U	<0.0077 U	NA	NA	<0.0082 U	NA	<0.0084 U	<0.0063 U	<0.0063 U	<0.0099 U
Trans-1,2-Dichloroethene	156-60-5	0.19	500	1000	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Trichloroethene (TCE)	79-01-6	0.47	200	400	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U
Vinyl Chloride	75-01-4	0.02	13	27	mg/kg	NA	<0.0023 U	<0.0021 U	<0.0026 U	NA	NA	<0.0027 U	NA	<0.0028 U	<0.0021 U	<0.0021 U	<0.0033 U

Table 1
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	LSB-1	LSB-1	LSB-2	LSB-3	LSB-3	LSB-3	LSB-4	LSB-5	LSB-5	LSB-6	LSB-7	LSB-7
					Sample Name	015_LSB-1_2-4	016_LSB-1_4-6	001_LSB-2_2-4	003_LSB-3_2-4	004_LSB-3_4-6	005_LSB-3_8-10	008_LSB-4_4-6	023_LSB-5_4-7	025_LSB-5_15-17	022_LSB-6_8-10	026_LSB-7_2-4	029_DUP-1
					Sample Date	02/04/2022	02/04/2022	02/03/2022	02/03/2022	02/03/2022	02/03/2022	02/03/2022	02/04/2022	02/04/2022	02/04/2022	02/04/2022	02/04/2022
					Sample Depth	2-4	4-6	2-4	2-4	4-6	8-10	4-6	4-7	15-17	8-10	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
1,2-Dichlorobenzene	95-50-1	1.1	500	1000	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
1,3-Dichlorobenzene	541-73-1	2.4	280	560	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
1,4-Dichlorobenzene	106-46-7	1.8	130	250	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	130	250	mg/kg	NA	<0.0198 U	<0.0192 U	<0.0194 U	NA	NA	<0.0192 U	NA	<0.0185 U	<0.0187 U	<0.0194 U	<0.0185 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 UJ	<0.0995 UJ	NA	NA	<0.107 UJ	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.048 U	0.0776 JD	1.03 D	0.0621 JD	<0.0457 U	0.113 D	<0.0537 U	<0.0508 U	<0.0469 U	<0.0488 U	0.772 D	1.81 D
2-Methylphenol (o-Cresol)	95-48-7	0.33	500	1000	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	500	1000	mg/kg	NA	<0.0523 U	0.073 JD	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 UJ	<0.0995 UJ	NA	NA	<0.107 UJ	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
Acenaphthene	83-32-9	98	500	1000	mg/kg	<0.048 U	0.126 D	2.24 D	0.0851 JD	0.13 D	0.383 D	0.771 D	0.148 D	<0.0469 U	<0.0488 U	4.55 D	2.75 D
Acenaphthylene	208-96-8	107	500	1000	mg/kg	<0.048 U	0.0935 JD	1.07 D	0.074 JD	<0.0457 U	<0.0481 U	0.0539 JD	0.0997 JD	<0.0469 U	<0.0488 U	1.38 D	0.413 JD
Acetophenone	98-86-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	NA	<0.209 U	<0.201 U	<0.199 U	NA	NA	<0.214 U	NA	<0.187 U	<0.195 U	<0.934 U	<0.94 U
Anthracene	120-12-7	1000	500	1000	mg/kg	<0.048 U	0.197 D	5.52 D	0.253 D	0.522 D	0.489 D	2.67 D	0.449 D	<0.0469 U	<0.0488 U	6.9 D	5.14 D
Atrazine	1912-24-9	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	NA	<0.209 U	<0.201 U	<0.199 U	NA	NA	<0.214 U	NA	<0.187 U	<0.195 U	<0.934 U	<0.94 U
Benzo(a)anthracene	56-55-3	**1**	5.6	11	mg/kg	<0.048 U	0.322 D	**10.3 D**	0.944 D	0.778 D	**5.09 D**	**3.97 D**	**1.61 D**	<0.0469 U	0.0623 JD	**11.6 D**	**7.76 D**
Benzo(a)pyrene	50-32-8	22	1	1.1	mg/kg	<0.048 U	0.343 D	7.76 D	0.952 D	0.676 D	0.922 D	3.01 D	1.49 D	<0.0469 U	0.0716 JD	9.58 D	8.35 D
Benzo(b)fluoranthene	205-99-2	**1.7**	5.6	11	mg/kg	<0.048 U	0.28 D	**6.54 D**	0.741 D	0.448 D	**3.62 D**	**2.68 D**	1.25 D	<0.0469 U	0.0615 JD	**7.91 D**	**5.93 D**
Benzo(g,h,i)Perylene	191-24-2	1000	500	1000	mg/kg	<0.048 U	0.144 D	3.94 D	0.606 D	0.354 D	2.89 D	1.93 D	1.19 D	<0.0469 U	<0.0488 U	3.89 D	3.72 D
Benzo(k)fluoranthene	207-08-9	**1.7**	56	110	mg/kg	<0.048 U	0.255 D	**6.45 D**	0.73 D	0.538 D	**3.57 D**	**2.65 D**	1.23 D	<0.0469 U	0.0599 JD	**7.8 D**	**5.92 D**
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 UJ	<0.0499 UJ	NA	NA	<0.0537 UJ	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	0.75 D	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	NA	<0.0523 U	0.0513 JD	<0.0499 U	NA	NA	4.24 D	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Caprolactam	105-60-2	NS	NS	NS	mg/kg	NA	<0.104 U	<0.1 U	<0.0995 U	NA	NA	<0.107 U	NA	<0.0936 U	<0.0974 U	<0.466 U	<0.469 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	NA	<0.0523 U	0.955 D	0.0644 JD	NA	NA	0.741 D	NA	<0.0469 U	<0.0488 U	3.45 D	2.31 D
Chrysene	218-01-9	**1**	56	110	mg/kg	<0.048 U	0.303 D	**10.4 D**	**1.02 D**	0.73 D	**5.43 D**	**3.55 D**	**1.48 D**	<0.0469 U	0.0654 JD	**11.7 D**	**7.86 D**
Dibenz(a,h)anthracene	53-70-3	1000	0.56	1.1	mg/kg	<0.048 U	0.0609 JD	1.31 D	0.207 D	0.133 D	0.823 D	0.772 D	0.265 D	<0.0469 U	<0.0488 U	0.79 D	1.27 D
Dibenzofuran	132-64-9	210	350	1000	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	0.0941 JD	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Fluoranthene	206-44-0	1000	500	1000	mg/kg	<0.048 U	0.978 D	24.4 D	1.79 D	1.66 D	8.77 D	9.98 D	3.17 D	0.0636 JD	0.149 D	34 D	15.1 D
Fluorene	86-73-7	386	500	1000	mg/kg	<0.048 U	0.214 D	3.45 D	0.103 D	0.189 D	0.323 D	0.81 D	0.13 D	<0.0469 U	<0.0488 U	3.94 D	3.66 D
Hexachlorobenzene	118-74-1	3.2	6	12	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 UJ	<0.0499 UJ	NA	NA	<0.0537 UJ	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Indeno(1,2,3-cd)pyrene	193-39-5	8.2	5.6	11	mg/kg	<0.048 U	0.18 D	3.73 D	0.52 D	0.312 D	2.26 D	1.84 D	1.45 D	<0.0469 U	<0.0488 U	4.42 D	4.14 D
Isophorone	78-59-1	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Naphthalene	91-20-3	12	500	1000	mg/kg	<0.048 U	0.154 D	0.885 D	0.154 D	0.0525 JD	0.382 D	0.065 JD	<0.0508 U	<0.0469 U	<0.0488 U	1.57 D	5.01 D
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Pentachlorophenol	87-86-5	0.8	6.7	55	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Phenanthrene	85-01-8	1000	500	1000	mg/kg	<0.048 U	1.33 D	24.7 D	0.995 D	1.74 D	1.4 D	6.2 D	1.81 D	0.0733 JD	0.0747 JD	23.8 D	15.7 D
Phenol	108-95-2	0.33	500	1000	mg/kg	NA	<0.0523 U	<0.0503 U	<0.0499 U	NA	NA	<0.0537 U	NA	<0.0469 U	<0.0488 U	<0.234 U	<0.235 U
Pyrene	129-00-0	1000	500	1000	mg/kg	<0.048 U	0.734 D	22.7 D	1.78 D	1.84 D	8.1 D	7.73 D	2.81 D	0.0621 JD	0.113 D	18.3 D	9.72 D
Pyridine	110-86-1	NS	NS	NS	mg/kg	NA	<0.209 U	<0.201 U	<0.199 U	NA	NA	<0.214 U	NA	<0.187 U	<0.195 U	<0.934 U	<0.94 U

Table 1
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	LSB-1	LSB-1	LSB-2	LSB-3	LSB-3	LSB-3	LSB-4	LSB-5	LSB-5	LSB-6	LSB-7	LSB-7
					Sample Name	015_LSB-1_2-4	016_LSB-1_4-6	001_LSB-2_2-4	003_LSB-3_2-4	004_LSB-3_4-6	005_LSB-3_8-10	008_LSB-4_4-6	023_LSB-5_4-7	025_LSB-5_15-17	022_LSB-6_8-10	026_LSB-7_2-4	029_DUP-1
					Sample Date	02/04/2022	02/04/2022	02/03/2022	02/03/2022	02/03/2022	02/03/2022	02/03/2022	02/04/2022	02/04/2022	02/04/2022	02/04/2022	02/04/2022
					Sample Depth	2-4	4-6	2-4	2-4	4-6	8-10	4-6	4-7	15-17	8-10	2-4	2-4
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																	
4,4'-DDD	72-54-8	14	92	180	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
4,4'-DDE	72-55-9	17	62	120	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
4,4'-DDT	50-29-3	136	47	94	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Aldrin	309-00-2	0.19	0.68	1.4	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	3.4	6.8	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Alpha Chlordane	5103-71-9	2.9	24	47	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Alpha Endosulfan	959-98-8	102	200	920	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.09	3	14	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Beta Endosulfan	33213-65-9	102	200	920	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	NA	<0.042 U	<0.0398 U	<0.0393 U	NA	NA	<0.0419 U	NA	<0.0377 U	<0.0385 U	<0.0369 U	<0.0369 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.25	500	1000	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Dieldrin	60-57-1	0.1	1.4	2.8	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Endosulfan Sulfate	1031-07-8	1000	200	920	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Endrin	72-20-8	0.06	89	410	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Gamma Bhc (Lindane)	58-89-9	0.1	9.2	23	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Heptachlor	76-44-8	0.38	15	29	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.00199 U	<0.00196 U	NA	NA	<0.0021 U	NA	<0.00188 U	<0.00193 U	<0.00185 U	<0.00185 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	NA	<0.21 U	<0.199 U	<0.196 U	NA	NA	<0.21 U	NA	<0.188 U	<0.193 U	<0.185 U	<0.185 U
Herbicides																	
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	NA	<0.13 U	<0.0239 U	<0.0242 U	NA	NA	<0.0253 U	NA	<0.0229 U	<0.0239 U	<0.0224 U	<0.0224 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	NA	<0.13 U	<0.0239 U	<0.0242 U	NA	NA	<0.0253 U	NA	<0.0229 U	<0.0239 U	<0.0224 U	<0.0224 U
Silvex (2,4,5-Tp)	93-72-1	3.8	500	1000	mg/kg	NA	<0.13 U	<0.0239 U	<0.0242 U	NA	NA	<0.0253 U	NA	<0.0229 U	<0.0239 U	<0.0224 U	<0.0224 U
Polychlorinated Biphenyl																	
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	<0.0212 UJ	NA	0.0246	<0.0195 U	<0.0186 U	<0.0186 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	<0.0212 UJ	NA	<0.019 U	<0.0195 U	<0.0186 U	<0.0186 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	<0.0212 UJ	NA	<0.019 U	<0.0195 U	<0.0186 U	<0.0186 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	<0.0212 UJ	NA	<0.019 U	<0.0195 U	<0.0186 U	<0.0186 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	<0.0212 UJ	NA	<0.019 U	<0.0195 U	<0.0186 U	<0.0186 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	0.0754 J	NA	<0.019 U	<0.0195 U	<0.0186 U	<0.0186 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	<0.0212 UJ	NA	<0.019 U	<0.0195 U	<0.0186 U	<0.0186 U
Total PCBs	1336-36-3	3.2	1	25	mg/kg	NA	<0.0212 U	<0.0201 UJ	<0.0198 UJ	NA	NA	0.0754 J	NA	0.0246	<0.0195 U	<0.0186 U	<0.0186 U
Metals																	
Aluminum	7429-90-5	NS	NS	NS	mg/kg	5,940	13,500	2,490	7,810	10,500	6,270	9,610	7,430	8,640	9,130	11,000	9,610
Antimony	7440-36-0	NS	NS	NS	mg/kg	11.9	<3.19 U	<3.06 U	<3.03 U	4.04	<2.9 U	<3.22 U	3.82	<2.87 U	19.1	<2.84 U	3.04
Arsenic	7440-38-2	**16**	16	16	mg/kg	**41.8**	<1.92 U	8.39	5.64	<1.69 U	2.64	4.77	11.7	<1.72 U	**32.3**	<1.71 U	<1.71 U
Barium	7440-39-3	**820**	400	10000	mg/kg	452	44.9 J	199 J	466 J	76.1	88.8	184 J	**1,140**	52.3 J	96.3 J	73.7 J	85.2 J
Beryllium	7440-41-7	47	590	2700	mg/kg	<0.058 U	<0.064 U	<0.061 U	<0.061 U	<0.056 U	<0.058 U	<0.064 U	<0.061 U	<0.057 U	<0.06 U	<0.057 U	<0.057 U
Cadmium	7440-43-9	7.5	9.3	60	mg/kg	2.96	<0.383 U	0.663 J	1.32 J	<0.338 U	<0.348 U	0.869 J	0.912	<0.345 U	1.52	<0.341 U	0.362
Calcium	7440-70-2	NS	NS	NS	mg/kg	25,300 B	2,070 B	11,200 B	15,900 B	5,930	2,780	50,100 B	23,600 B	8,310 B	9,880 B	3,510 B	3,870 B
Chromium, Hexavalent	18540-29-9	19	400	800	mg/kg	NA	<0.638 U	<0.612 U	<0.607 U	NA	NA	<0.644 U	NA	<0.574 U	<0.601 U	<0.569 U	<0.569 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	34.6	17.8	16	19.3	20.7	16	39.1	19	16	38.6	20.4	22.6
Chromium, Trivalent	16065-83-1	NS	1500	6800	mg/kg	NA	17.8	16	19.3	NA	NA	39.1	NA	16	38.6	20.4	22.6
Cobalt	7440-48-4	NS	NS	NS	mg/kg	12.1	6.28	3.39 J	7.64 J	10.9	6.92	8.78 J	9.72	7.33	27.2	8.22	9.07
Copper	7440-50-8	1720	270	10000	mg/kg	445	12.2 J	137	303	39.7	39.9	253	378	41 J	200 J	37 J	54 J
Cyanide	57-12-5	40	27	10000	mg/kg	NA	<0.638 U	<0.612 U	1.01	NA	NA	0.719	NA	<0.574 U	<0.601 U	<0.569 U	<0.569 U
Iron	7439-89-6	NS	NS	NS	mg/kg	109,000	16,200	16,300	26,400	23,100	14,900	18,100	27,400	19,400	176,000 D	19,900	19,600
Lead	7439-92-1	**450**	1000	3900	mg/kg	**1,420**	29.1	385	**531**	88.2	114	172	**741**	36	131	87.6	107
Magnesium	7439-95-4	NS	NS	NS	mg/kg	3,430	2,240	1,010	2,930	2,900	1,430	6,010	3,460	2,380	2,090	2,470	2,840
Manganese	7439-96-5	2000	10000	10000	mg/kg	629	181	145	268	629	294	350	359	487	1,080	308	353
Mercury	7439-97-6	**0.73**	2.8	5.7	mg/kg	0.544 J	0.692 J	**1.17**	**0.868**	**1.23**	0.632	0.0948	**1.25**	0.0955	0.163	0.556	0.469
Nickel	7440-02-0	130	310	10000	mg/kg	56.1 J	15.6 J	14.5 J	17.3 J	20.3	15.6	19.4 J	37.8 J	16.8 J	34.4 J	19.5 J	22.9 J
Potassium	7440-09-7	NS	NS	NS	mg/kg	1,020	1,210 B	437	1,590	1,540 B	993 B	1,510	1,110	1,060 B	686 B	1,260 B	1,320 B
Selenium	7782-49-2	4	1500	6800	mg/kg	<2.92 U	<3.19 U	<3.06 U	<3.03 U	<2.82 U	<2.9 U	<3.22 U	<3.05 U	<2.87 U	<3.01 U	<2.84 U	<2.84 U
Silver	7440-22-4	8.3	1500	6800	mg/kg	0.93	<0.638 U	2.05	<0.607 U	<0.563 U	<0.581 U	<0.644 U	<0.61 U	<0.574 U	<0.601 U	<0.569 U	<0.569 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	441 J	214 J	196	386	221	206	347	303 J	138 J	132 J	301 J	357 J
Thallium	7440-28-0	NS	NS	NS	mg/kg	12.9	<3.19 U	<3.06 U	<3.03 U	<2.82 U	<2.9 U	<3.22 U	<3.05 U	<2.87 U	29.6	<2.84 U	<2.84 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	20.1	24.3	12.2	28.1	35.3	28.6	27.6	23.5	27	112	30.9	30.3
Zinc	7440-66-6	2480	10000	10000	mg/kg	1,310 B	31.6	275	873	53.7	56.5	257	625 B	43.9	75.4	85.4	97.9
General Chemistry																	
Solids, Percent	SOLID	NS	NS	NS	Percent	85.6	78.3	81.7	82.4	88.8	86.1	77.6	82	87.1	83.1	87.9	87.9
Perfluorooctanoic acids																	
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	0.00263	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	0.00108	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	0.000323	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	0.000392	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.001**	0.44	0.44	mg/kg	NA	<0.000318 U	0.000504	0.00042	NA	NA	**0.0107**	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.0008	0.5	0.6	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	0.000518	NA	<0.000271 U	<0.000297 U	0.000483	0.000336
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	NA	<0.000318 U	0.000346	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	NA	<0.000318 U	<0.000294 U	<0.000299 U	NA	NA	<0.000296 U	NA	<0.000271 U	<0.000297 U	<0.00028 U	<0.000268 U

Table 1
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Notes:

CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Protection of Groundwater, Restricted Use Commercial, and Restricted Use Industrial Soil Cleanup Objectives (SCO).

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Protection of Groundwater, Restricted Use Commercial, and Restricted Use Industrial Guidance Values (April 2023).

Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:

D - The concentration reported is a result of a diluted sample.
B - The analyte was found in the associated analysis batch blank.
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 Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Commercial SCOs
10 - Result exceeds Restricted Use Industrial SCOs

Table 2
Phase II Environmental Investigation Report
Groundwater Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDEC SGVs	NYSDEC Guidance Values	Location	LMW-1	LMW-1	LMW-2	LMW-3	LMW-4
				Sample Name	032_LMW-1	033_DUP-2	034_LMW-2	041_LMW-3	040_LMW-4
				Sample Date	02/07/2022	02/07/2022	02/07/2022	02/08/2022	02/08/2022
				Unit	Result	Result	Result	Result	Result
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1,1-Trichloroethane	71-55-6	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1,2,2-Tetrachloroethane	79-34-5	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1,2-Trichloroethane	79-00-5	1	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1-Dichloroethane	75-34-3	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1-Dichloroethene	75-35-4	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,1-Dichloropropene	563-58-6	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,2,3-Trichlorobenzene	87-61-6	5	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ
1,2,3-Trichloropropane	96-18-4	0.04	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,2,4-Trichlorobenzene	120-82-1	5	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ
1,2,4-Trimethylbenzene	95-63-6	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	0.27 J
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,2-Dichlorobenzene	95-50-1	3	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,2-Dichloroethane	107-06-2	0.6	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,2-Dichloropropane	78-87-5	1	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,3-Dichlorobenzene	541-73-1	3	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ
1,3-Dichloropropane	142-28-9	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,4-Dichlorobenzene	106-46-7	3	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	1	ug/l	<40 U	<40 U	<40 U	<40 U	<40 U
2,2-Dichloropropane	594-20-7	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
2-Chlorotoluene	95-49-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
2-Hexanone (MBK)	591-78-6	50	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
4-Chlorotoluene	106-43-4	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Acetone	67-64-1	**50**	NS	ug/l	**127 D**	**135 D**	6.12	3.44 J	7.07 J
Acrolein	107-02-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Acrylonitrile	107-13-1	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Benzene	71-43-2	1	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Bromobenzene	108-86-1	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Bromochloromethane	74-97-5	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Bromodichloromethane	75-27-4	50	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Bromoform	75-25-2	50	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ
Bromomethane	74-83-9	5	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ
Carbon Disulfide	75-15-0	60	NS	ug/l	0.34 J	0.49 J	0.58	<0.2 U	0.27 J
Carbon Tetrachloride	56-23-5	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Chlorobenzene	108-90-7	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Chloroethane	75-00-3	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Chloroform	67-66-3	7	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	0.7	<0.2 U
Chloromethane	74-87-3	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Cis-1,2-Dichloroethene	156-59-2	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	0.2 J	<0.2 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Cyclohexane	110-82-7	NS	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	0.23 J
Dibromochloromethane	124-48-1	50	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Dibromomethane	74-95-3	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Dichlorodifluoromethane	75-71-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Ethylbenzene	100-41-4	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Hexachlorobutadiene	87-68-3	0.5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Isopropylbenzene (Cumene)	98-82-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
M,P-Xylene	179601-23-1	5	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methyl Acetate	79-20-9	NS	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	NS	ug/l	0.75	1.04	<0.2 U	<0.5 U	<0.57 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	ug/l	0.21 J	0.2 J	<0.2 U	<0.2 U	<0.2 U
Methylcyclohexane	108-87-2	NS	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Methylene Chloride	75-09-2	5	NS	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U
n-Butylbenzene	104-51-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
n-Propylbenzene	103-65-1	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Sec-Butylbenzene	135-98-8	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Styrene	100-42-5	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
T-Butylbenzene	98-06-6	5	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ
Tert-Butyl Alcohol	75-65-0	NS	NS	ug/l	2.48	2.64	<0.5 U	<0.5 U	<0.5 U
Tert-Butyl Methyl Ether	1634-04-4	**10**	NS	ug/l	9.93	**11.4**	2.5	0.99	0.71
Tetrachloroethene (PCE)	127-18-4	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Toluene	108-88-3	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	0.63	<0.2 U
Total Xylenes	1330-20-7	5	NS	ug/l	<0.6 U	<0.6 U	<0.6 U	<0.6 U	<0.6 U
Trans-1,2-Dichloroethene	156-60-5	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Trichloroethene (TCE)	79-01-6	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Trichlorofluoromethane	75-69-4	5	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Vinyl Acetate	108-05-4	NS	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Vinyl Chloride	75-01-4	2	NS	ug/l	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ	<0.2 UJ

Table 2
Phase II Environmental Investigation Report
Groundwater Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDEC SGVs	NYSDEC Guidance Values	Location	LMW-1	LMW-1	LMW-2	LMW-3	LMW-4
				Sample Name	032_LMW-1	033_DUP-2	034_LMW-2	041_LMW-3	040_LMW-4
				Sample Date	02/07/2022	02/07/2022	02/07/2022	02/08/2022	02/08/2022
				Unit	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
1,2,4-Trichlorobenzene	120-82-1	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
1,2-Dichlorobenzene	95-50-1	3	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
1,2-Diphenylhydrazine	122-66-7	0	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
1,3-Dichlorobenzene	541-73-1	3	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
1,4-Dichlorobenzene	106-46-7	3	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	1	ug/l	0.608	0.752	1.92	0.448 J	1.18
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,4-Dichlorophenol	120-83-2	1	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,4-Dimethylphenol	105-67-9	1	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,4-Dinitrophenol	51-28-5	1	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,4-Dinitrotoluene	121-14-2	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2,6-Dinitrotoluene	606-20-2	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2-Chloronaphthalene	91-58-7	10	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2-Chlorophenol	95-57-8	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2-Methylnaphthalene	91-57-6	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2-Nitroaniline	88-74-4	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
2-Nitrophenol	88-75-5	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
3,3'-Dichlorobenzidine	91-94-1	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
3-Nitroaniline	99-09-2	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4-Chloroaniline	106-47-8	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4-Nitroaniline	100-01-6	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
4-Nitrophenol	100-02-7	NS	NS	ug/l	<5 U	<5 U	<5 U	<5.56 U	<5.56 U
Acenaphthene	83-32-9	20	NS	ug/l	1.89 J	1.31 J	2.06	0.378	1.66
Acenaphthylene	208-96-8	NS	NS	ug/l	0.06	0.05	0.63	<0.0556 U	0.0667
Acetophenone	98-86-2	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Anthracene	120-12-7	50	NS	ug/l	0.92	0.78	0.29	0.156	0.4
Atrazine	1912-24-9	7.5	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.556 U	<0.556 U
Benzaldehyde	100-52-7	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Benzidine	92-87-5	5	NS	ug/l	<5 U	<5 U	<5 U	<5.56 U	<5.56 U
Benzo(a)anthracene	56-55-3	**0.002**	NS	ug/l	**0.5 J**	**0.7 J**	<0.05 U	<0.0556 U	**0.0778**
Benzo(a)pyrene	50-32-8	**0**	NS	ug/l	**0.48 J**	**0.83 J**	<0.05 U	<0.0556 U	**0.0778**
Benzo(b)fluoranthene	205-99-2	**0.002**	NS	ug/l	**0.39 J**	**0.77 J**	<0.05 U	<0.0556 U	**0.0667**
Benzo(g,h,i)Perylene	191-24-2	NS	NS	ug/l	0.34 J	0.55 J	<0.05 U	<0.0556 U	<0.0556 U
Benzo(k)fluoranthene	207-08-9	**0.002**	NS	ug/l	**0.38 J**	**0.66 J**	<0.05 U	<0.0556 U	**0.0667**
Benzoic Acid	65-85-0	NS	NS	ug/l	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.78 UJ	<2.78 UJ
Benzyl Alcohol	100-51-6	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Benzyl Butyl Phthalate	85-68-7	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Biphenyl (Diphenyl)	92-52-4	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Bis(2-chloroethoxy) methane	111-91-1	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	NS	ug/l	<1 U	<1 U	<1 U	<1.11 U	<1.11 U
Bis(2-chloroisopropyl) ether	108-60-1	5	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Bis(2-ethylhexyl) phthalate	117-81-7	5	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.556 U	<0.556 U
Caprolactam	105-60-2	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Carbazole	86-74-8	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Chrysene	218-01-9	**0.002**	NS	ug/l	**0.59 J**	**0.86 J**	<0.05 U	<0.0556 U	**0.0778**
Dibenz(a,h)anthracene	53-70-3	NS	NS	ug/l	0.07 J	0.11 J	<0.05 U	<0.0556 U	<0.0556 U
Dibenzofuran	132-64-9	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Dibutyl phthalate	84-74-2	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Diethyl phthalate	84-66-2	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Dimethyl phthalate	131-11-3	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Dioctyl phthalate	117-84-0	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Fluoranthene	206-44-0	50	NS	ug/l	1.71	1.86	0.27	0.122	0.356
Fluorene	86-73-7	50	NS	ug/l	1.66 J	1.19 J	0.74	0.211	0.956
Hexachlorobenzene	118-74-1	0.04	NS	ug/l	<0.02 U	<0.02 U	<0.02 U	<0.0222 U	<0.0222 U
Hexachlorobutadiene	87-68-3	0.5	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.556 U	<0.556 U
Hexachlorocyclopentadiene	77-47-4	5	NS	ug/l	<5 UJ	<5 UJ	<5 UJ	<5.56 UJ	<5.56 UJ
Hexachloroethane	67-72-1	5	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.556 U	<0.556 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.002**	NS	ug/l	**0.3 J**	**0.48 J**	<0.05 U	<0.0556 U	<0.0556 U
Isophorone	78-59-1	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Naphthalene	91-20-3	10	NS	ug/l	0.76 J	0.52 J	0.13	0.656	2.1
Nitrobenzene	98-95-3	0.4	NS	ug/l	<0.25 U	<0.25 U	<0.25 U	<0.278 U	<0.278 U
n-Nitrosodimethylamine	62-75-9	NS	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.556 U	<0.556 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
n-Nitrosodiphenylamine	86-30-6	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Pentachlorophenol	87-86-5	1	NS	ug/l	<0.25 U	<0.25 U	<0.25 U	<0.278 U	<0.278 U
Phenanthrene	85-01-8	50	NS	ug/l	4.04	3.2	0.71	0.467	1.47
Phenol	108-95-2	1	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U
Pyrene	129-00-0	50	NS	ug/l	1.49	1.66	0.18	0.0889	0.278
Pyridine	110-86-1	50	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.78 U	<2.78 U

Table 2
Phase II Environmental Investigation Report
Groundwater Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDEC SGVs	NYSDEC Guidance Values	Location	LMW-1	LMW-1	LMW-2	LMW-3	LMW-4
				Sample Name	032_LMW-1	033_DUP-2	034_LMW-2	041_LMW-3	040_LMW-4
				Sample Date	02/07/2022	02/07/2022	02/07/2022	02/08/2022	02/08/2022
				Unit	Result	Result	Result	Result	Result
Pesticides									
4,4'-DDD	72-54-8	0.3	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
4,4'-DDE	72-55-9	0.2	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
4,4'-DDT	50-29-3	0.2	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Aldrin	309-00-2	0	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.01	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Alpha Chlordane	5103-71-9	NS	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Alpha Endosulfan	959-98-8	NS	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	0.0528
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Beta Endosulfan	33213-65-9	NS	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Chlordane (alpha and gamma)	57-74-9	0.05	NS	ug/l	<0.2 U	<0.2 UJ	<0.2 U	<0.211 U	<0.2 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Dieldrin	60-57-1	0.004	NS	ug/l	<0.002 U	<0.002 UJ	<0.002 U	<0.00211 U	<0.002 U
Endosulfan Sulfate	1031-07-8	NS	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Endrin	72-20-8	0	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Endrin Aldehyde	7421-93-4	5	NS	ug/l	<0.01 U	<0.01 UJ	<0.01 U	<0.0105 U	<0.01 U
Endrin Ketone	53494-70-5	5	NS	ug/l	<0.01 U	<0.01 UJ	<0.01 U	<0.0105 U	<0.01 U
Gamma Bhc (Lindane)	58-89-9	0.05	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Gamma-Chlordane	5566-34-7	NS	NS	ug/l	<0.01 U	<0.01 UJ	<0.01 U	<0.0105 U	<0.01 U
Heptachlor	76-44-8	0.04	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Heptachlor Epoxide	1024-57-3	0.03	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Methoxychlor	72-43-5	35	NS	ug/l	<0.004 U	<0.004 UJ	<0.004 U	<0.00421 U	<0.004 U
Toxaphene	8001-35-2	0.06	NS	ug/l	<0.1 U	<0.1 UJ	<0.1 U	<0.105 U	<0.1 U
Herbicides									
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	35	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	50	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U
Silvex (2,4,5-Tp)	93-72-1	0.26	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U
Polychlorinated Biphenyl									
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
Total PCBs	1336-36-3	0.09	NS	ug/l	<0.05 UJ	<0.05 UJ	<0.05 U	<0.0526 U	<0.05 UJ
Metals									
Aluminum	7429-90-5	NS	NS	ug/l	1,080	902	542	3,630	510
Antimony	7440-36-0	3	NS	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Arsenic	7440-38-2	25	NS	ug/l	3.88	3.91	3.61	20.5	5.42
Barium	7440-39-3	1000	NS	ug/l	510	518	159	152	117
Beryllium	7440-41-7	3	NS	ug/l	<0.333 U	<0.333 U	<0.333 U	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	NS	ug/l	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	NS	ug/l	228,000	226,000	353,000	184,000	84,500
Chromium, Hexavalent	18540-29-9	50	NS	ug/l	<10 UJ	<10 U	<10 UJ	<10 U	<10 U
Chromium, Total	7440-47-3	NS	NS	ug/l	7.33	6.98	<5.56 U	8.94	6.77
Chromium, Trivalent	16065-83-1	NS	NS	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U
Cobalt	7440-48-4	NS	NS	ug/l	<4.44 U	<4.44 U	<4.44 U	<4.44 U	<4.44 U
Copper	7440-50-8	200	NS	ug/l	<22.2 U	<22.2 U	<22.2 U	<22.2 U	<22.2 U
Cyanide	57-12-5	200	NS	ug/l	<10 UJ	<35.8 U	<55.9 U	43	59.1
Iron	7439-89-6	**300**	NS	ug/l	**44,900**	**45,200**	**4,910**	**14,300**	**4,050**
Lead	7439-92-1	**25**	NS	ug/l	**31.3**	24	<5.56 U	**57.2**	**92.5**
Magnesium	7439-95-4	**35000**	NS	ug/l	**94,500**	**94,900**	**52,000**	**42,500**	**64,200**
Manganese	7439-96-5	**300**	NS	ug/l	**1,030**	**1,060**	221	**774**	207
Mercury	7439-97-6	0.7	NS	ug/l	<0.2 U	<0.2 U	<0.2 U	0.3	0.3
Nickel	7440-02-0	100	NS	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Potassium	7440-09-7	NS	NS	ug/l	95,200	94,300	40,700	24,100	40,200
Selenium	7782-49-2	10	NS	ug/l	9.91 J	8.63 J	8.1 J	6.79 J	2.48 J
Silver	7440-22-4	50	NS	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Sodium	7440-23-5	**20000**	NS	ug/l	**412,000**	**406,000**	**80,000**	**53,200**	**63,200**
Thallium	7440-28-0	0.5	NS	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	NS	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Zinc	7440-66-6	2000	NS	ug/l	<36.6 U	<27.8 U	<28.6 U	80.5	47
Perfluorooctanoic acids									
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	0.1	ug/l	<0.00185 U	<0.00189 U	0.00368	<0.00179 U	0.00834 J
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	0.1	ug/l	<0.00185 U	<0.00189 U	0.00221	<0.00179 U	0.00205 J
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	0.1	ug/l	0.0143 J	0.00773 J	0.017	0.00803	0.0123
Perfluorobutanoic acid (PFBA)	375-22-4	NS	0.1	ug/l	0.0257	0.0339	0.0436	0.0281	0.0257
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	0.1	ug/l	<0.00185 U	<0.00189 U	<0.00185 U	<0.00179 U	<0.00189 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	0.1	ug/l	<0.00185 UJ	<0.00189 UJ	0.00245 J	0.00231 J	<0.00189 UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	0.1	ug/l	<0.00185 U	<0.00189 U	<0.00185 U	<0.00179 U	<0.00189 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	0.1	ug/l	<0.00185 U	<0.00189 U	0.00511	0.00227	<0.00189 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	0.1	ug/l	0.0271	0.028	0.0619	0.0413	0.0164
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	0.1	ug/l	0.0139	0.0159	0.0278	0.00924	0.0203
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	0.1	ug/l	0.0339	0.0346	0.0587	0.0289	0.0153
Perfluorononanoic Acid (PFNA)	375-95-1	NS	0.1	ug/l	<0.00185 U	<0.00189 U	0.0143	0.00513	0.00424
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	0.1	ug/l	<0.00185 U	<0.00189 U	<0.00185 U	<0.00179 UJ	<0.00189 UJ
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	NS	0.01	ug/l	0.0111	0.00973	0.114	0.115	0.0794
Perfluorooctanoic Acid (PFOA)	335-67-1	NS	0.01	ug/l	0.0759	0.0819	0.135	0.0608	0.0948
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	0.1	ug/l	0.0542	0.0542	0.0946	0.051	0.00953
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	0.1	ug/l	<0.00185 U	<0.00189 U	<0.00185 U	<0.00179 U	<0.00189 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	0.1	ug/l	<0.00185 U	<0.00189 U	<0.00185 U	<0.00179 U	<0.00189 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	0.1	ug/l	<0.00185 U	<0.00189 U	<0.00185 U	<0.00179 U	<0.00189 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	0.1	ug/l	<0.00185 UJ	<0.00189 U	<0.00185 U	<0.00179 UJ	<0.00189 UJ
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	0.1	ug/l	0.015	0.0133	<0.00463 UJ	<0.00446 UJ	<0.00473 UJ

Table 2
Phase II Environmental Investigation Report
Groundwater Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

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 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) (June 2021) and the 1,4-Dioxane value reflects the drinking water maximum contaminant level (MCL) adopted by New York State for public water systems (July 2020). Pursuant to Part 375-1.7(f)(2), the NYSDEC will treat the MCL as relevant and appropriate and will consider this value in remedy selection.

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
10	- Result exceeds NYSDEC Guidance Values

Table 3
Phase II Environmental Investigation Report
Soil Vapor Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	LSV-1	LSV-2	LSV-3	LSV-4	LSV-4
			Sample Name	044_LSV-1	045_LSV-2	046_LSV-3	042_LSV-4	043_DUP-3
			Sample Date	02/08/2022	02/08/2022	02/08/2022	02/08/2022	02/08/2022
			Sample Type	SV	SV	SV	SV	SV
			Unit	Result	Result	Result	Result	Result
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<1.01 UJ	<3.75 UJ	<4.71 UJ	<3.55 UJ	<3.68 UJ
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<0.806 UJ	<2.98 UJ	<3.75 UJ	<2.82 UJ	<2.93 UJ
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.01 UJ	<3.75 UJ	<4.71 UJ	<3.55 UJ	<3.68 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.13 UJ	<4.18 UJ	<5.26 UJ	<3.96 UJ	<4.11 UJ
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<0.806 UJ	<2.98 UJ	<3.75 UJ	<2.82 UJ	<2.93 UJ
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.598 UJ	<2.21 UJ	<2.78 UJ	<2.09 UJ	21.7 J
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.293 UJ	<1.08 UJ	<1.36 UJ	<1.03 UJ	<1.06 UJ
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.1 UJ	<4.05 UJ	<5.09 UJ	<3.84 UJ	<3.98 UJ
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.726 UJ	8.31 J	5.06 J	2.54 J	<2.64 UJ
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.13 UJ	<4.19 UJ	<5.27 UJ	<3.97 UJ	<4.12 UJ
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<0.888 UJ	<3.28 UJ	6.6 J	<3.11 UJ	<3.22 UJ
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.598 UJ	<2.21 UJ	<2.78 UJ	<2.09 UJ	<2.17 UJ
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.683 UJ	<2.52 UJ	<3.17 UJ	<2.39 UJ	<2.48 UJ
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.03 UJ	<3.81 UJ	<4.8 UJ	<3.62 UJ	<3.75 UJ
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.726 UJ	4.29 J	<3.37 UJ	<2.54 UJ	<2.64 UJ
1,3-Butadiene	106-99-0	NS	ug/m3	<0.98 UJ	<3.62 UJ	<4.56 UJ	<3.43 UJ	<3.56 UJ
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<0.888 UJ	<3.28 UJ	<4.13 UJ	<3.11 UJ	<3.22 UJ
1,3-Dichloropropane	142-28-9	NS	ug/m3	<0.683 UJ	<2.52 UJ	<3.17 UJ	<2.39 UJ	<2.48 UJ
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<0.888 UJ	<3.28 UJ	28.9 J	<3.11 UJ	<3.22 UJ
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<1.06 UJ	<3.93 UJ	<4.95 UJ	<3.73 UJ	<3.87 UJ
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<1.21 UJ	<4.47 UJ	<5.62 UJ	<4.24 UJ	<4.39 UJ
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.726 UJ	6.44 J	<3.37 UJ	<2.54 UJ	<2.64 UJ
Acetone	67-64-1	NS	ug/m3	40 J	12.7 J	12.7 J	33.3 J	32.2 J
Acrylonitrile	107-13-1	NS	ug/m3	<0.321 UJ	<1.18 UJ	<1.49 UJ	<1.12 UJ	<1.16 UJ
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<2.31 UJ	<8.54 UJ	<10.7 UJ	<8.09 UJ	<8.39 UJ
Benzene	71-43-2	NS	ug/m3	2.12 J	<1.74 UJ	3.07 J	<1.65 UJ	<1.71 UJ
Benzyl Chloride	100-44-7	NS	ug/m3	<0.765 UJ	<2.82 UJ	<3.55 UJ	<2.68 UJ	<2.78 UJ
Bromodichloromethane	75-27-4	NS	ug/m3	<0.989 UJ	<3.66 UJ	<4.6 UJ	<3.46 UJ	<3.59 UJ
Bromoethene	593-60-2	NS	ug/m3	<0.646 UJ	<2.39 UJ	<3 UJ	<2.26 UJ	<2.35 UJ
Bromoform	75-25-2	NS	ug/m3	<1.53 UJ	<5.64 UJ	<7.1 UJ	<5.35 UJ	<5.54 UJ
Bromomethane	74-83-9	NS	ug/m3	<0.574 UJ	<2.12 UJ	<2.67 UJ	<2.01 UJ	<2.08 UJ
Carbon Disulfide	75-15-0	NS	ug/m3	<0.46 UJ	31.3 J	2.35 J	6.28 J	6.51 J
Carbon Tetrachloride	56-23-5	6	ug/m3	0.279 J	<0.858 UJ	<1.08 UJ	<0.813 UJ	<0.844 UJ
Chlorobenzene	108-90-7	NS	ug/m3	<0.68 UJ	<2.51 UJ	<3.16 UJ	<2.38 UJ	<2.47 UJ
Chloroethane	75-00-3	NS	ug/m3	<0.39 UJ	<1.44 UJ	<1.81 UJ	<1.36 UJ	<1.42 UJ
Chloroform	67-66-3	NS	ug/m3	<0.721 UJ	<2.66 UJ	<3.35 UJ	<2.53 UJ	<2.62 UJ
Chloromethane	74-87-3	NS	ug/m3	1.16 J	<1.13 UJ	<1.42 UJ	<1.07 UJ	<1.11 UJ
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	<0.293 UJ	<1.08 UJ	<1.36 UJ	<1.03 UJ	<1.06 UJ
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.67 UJ	<2.48 UJ	<3.12 UJ	<2.35 UJ	<2.43 UJ
Cyclohexane	110-82-7	NS	ug/m3	0.508 J	468 J	244 J	9.26 J	8.49 J
Dibromochloromethane	124-48-1	NS	ug/m3	<1.26 UJ	<4.65 UJ	<5.85 UJ	<4.41 UJ	<4.57 UJ
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.19 J	<2.7 UJ	<3.39 UJ	36.8 J	<2.65 UJ
Ethyl Acetate	141-78-6	NS	ug/m3	1.17 J	<3.93 UJ	<4.95 UJ	<3.73 UJ	<3.87 UJ
Ethylbenzene	100-41-4	NS	ug/m3	<0.641 UJ	6.16 J	9.24 J	3.59 J	3.26 J
Hexachlorobutadiene	87-68-3	NS	ug/m3	<1.58 UJ	<5.82 UJ	<7.32 UJ	<5.52 UJ	<5.72 UJ
Isopropanol	67-63-0	NS	ug/m3	4.03 J	<2.68 UJ	12.8 J	<2.54 UJ	<2.64 UJ
M,P-Xylene	179601-23-1	NS	ug/m3	1.47 J	7.58 J	8.64 J	<4.49 UJ	<4.66 UJ
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	1.48 J	5.15 J	2.63 J	8.08 J	7.75 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<0.605 UJ	<2.24 UJ	<2.81 UJ	<2.12 UJ	<2.2 UJ
Methyl Methacrylate	80-62-6	NS	ug/m3	0.726 J	<2.23 UJ	<2.81 UJ	<2.12 UJ	<2.2 UJ
Methylene Chloride	75-09-2	100	ug/m3	4.67 J	<3.79 UJ	6.2 J	<3.59 UJ	4.47 J
n-Heptane	142-82-5	NS	ug/m3	0.848 J	<2.24 UJ	81.3 J	400 J	372 J
n-Hexane	110-54-3	NS	ug/m3	1.61 J	74.2 J	260 J	707 J	653 J
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.641 UJ	4.5 J	3.28 J	<2.25 UJ	<2.33 UJ
Propylene	115-07-1	NS	ug/m3	<0.254 UJ	<0.939 UJ	<1.18 UJ	<0.89 UJ	<0.923 UJ
Styrene	100-42-5	NS	ug/m3	<0.629 UJ	<2.32 UJ	<2.92 UJ	<2.2 UJ	<2.28 UJ
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.533 UJ	<1.97 UJ	<2.48 UJ	7.09 J	<1.93 UJ
Tetrachloroethene (PCE)	127-18-4	100	ug/m3	<1 UJ	<3.7 UJ	<4.66 UJ	<3.51 UJ	<3.64 UJ
Tetrahydrofuran	109-99-9	NS	ug/m3	<0.871 UJ	<3.22 UJ	<4.05 UJ	<3.05 UJ	<3.16 UJ
Toluene	108-88-3	NS	ug/m3	4.29 J	5.96 J	8.02 J	<1.95 UJ	2.43 J
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.586 UJ	<2.16 UJ	<2.72 UJ	<2.05 UJ	<2.13 UJ
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.67 UJ	<2.48 UJ	<3.12 UJ	<2.35 UJ	<2.43 UJ
Trichloroethene (TCE)	79-01-6	6	ug/m3	0.397 J	<0.733 UJ	<0.922 UJ	<0.695 UJ	<0.721 UJ
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.16 J	<3.07 UJ	<3.86 UJ	<2.91 UJ	<3.01 UJ
Vinyl Acetate	108-05-4	NS	ug/m3	<0.52 UJ	<1.92 UJ	<2.42 UJ	<1.82 UJ	<1.89 UJ
Vinyl Chloride	75-01-4	6	ug/m3	<0.189 UJ	<0.697 UJ	<0.877 UJ	<0.661 UJ	<0.686 UJ
Total BTEX	BTEX	NS	ug/m3	7.88	24.2	32.25	3.59	5.69

Table 3
Phase II Environmental Investigation Report
Soil Vapor Sample Analytical Results

213 Meadow Street
Brooklyn, NY
Langan Project No.: 100964202

Notes:

SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

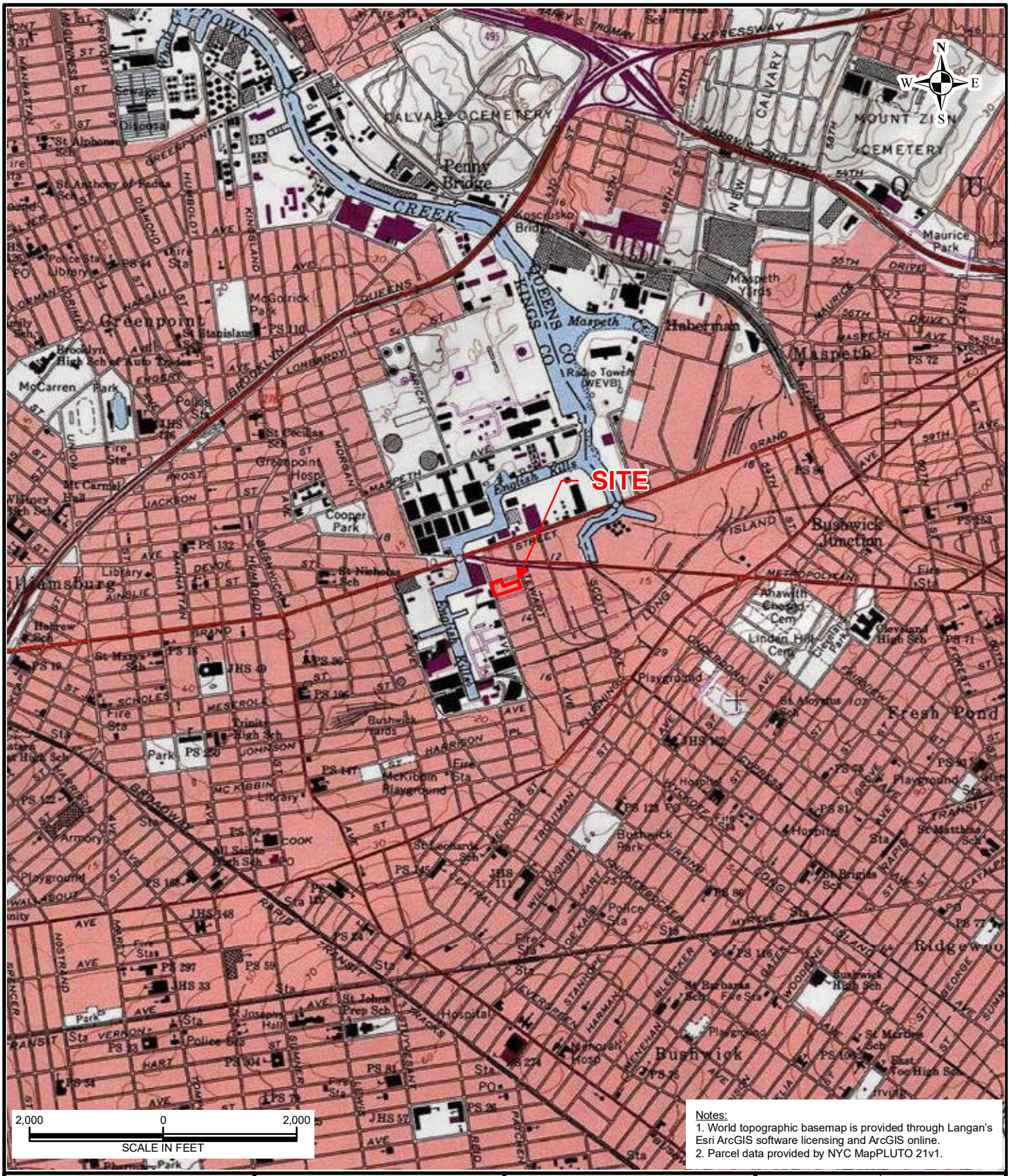
Qualifiers:

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 minimum soil vapor concentrations recommending mitigation

FIGURES



Notes:
1. World topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.
2. Parcel data provided by NYC MapPLUTO 21v1.

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project	213 MEADOW STREET BROOKLYN NEW YORK
Drawing Title	SITE LOCATION MAP
Project No.	100964201
Date	2/22/2022
Scale	1" = 2,000'
Drawn By	IHB
Last Revised	
Figure	1

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Path: \\langan.com\data\PAR\data2\100964201\Project Data\ArcGIS\MXD\Environmental_Figures\Figure 1 - Site Location Map.mxd

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Langan International LLC
Collectively known as Langan
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
213 MEADOW STREET
BROOKLYN NEW YORK

Drawing Title
SAMPLE LOCATION MAP

Project No.	100964201
Date	2/22/2022
Scale	1" = 75'
Drawn By	IHB
Last Revised	

Figure
2

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Legend

- Site Boundary
- Langan Soil Boring Location
- Langan Soil Boring/Monitoring Well Location
- Langan Soil Vapor Point Location
- Tax Parcel Boundary

Notes:
CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Protection of Groundwater, Restricted Use Commercial, and Restricted Use Industrial Soil Cleanup Objectives (SCO).
Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:
D - The concentration reported is a result of a diluted sample.
B - The analyte was found in the associated analysis batch blank.
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.

Analyte	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs
VOCs			
Acetone	**0.05**	500	1,000
SVOCs			
Benzo(a)anthracene	**1**	5.6	11
Benzo(a)pyrene	**22**	1	1.1
Benzo(b)fluoranthene	**1.7**	5.6	11
Benzo(k)fluoranthene	**1.7**	56	110
Chrysene	**1**	56	110
Dibenz(a,h)anthracene	**1,000**	0.56	1.1
Metals			
Arsenic	**16**	16	16
Barium	**820**	400	10,000
Copper	**1,720**	270	10,000
Lead	**450**	1,000	3,900
Mercury	**0.73**	2.8	5.7
PFAS			
Perfluorooctanesulfonic Acid (PFOS)	**0.001**	0.44	0.44

Exceedance Summary:
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Commercial SCOs
10 - Result exceeds Restricted Use Industrial SCOs

Location	LSB-1	LSB-1
Sample Name	015_LSB-1_2-4	016_LSB-1_4-6
Sample Date	02/04/2022	02/04/2022
Sample Depth	2-4	4-6
VOCs		
Acetone	NA	0.027
SVOCs		
Benzo(a)anthracene	<0.048 U	0.322 D
Benzo(a)pyrene	<0.048 U	0.343 D
Benzo(b)fluoranthene	<0.048 U	0.28 D
Benzo(k)fluoranthene	<0.048 U	0.255 D
Chrysene	<0.048 U	0.303 D
Dibenz(a,h)anthracene	<0.048 U	0.0609 JD
Metals		
Arsenic	**41.8**	<1.92 U
Barium	452	44.9 J
Copper	445	12.2 J
Lead	**1,420**	29.1
Mercury	0.544 J	0.692 J
PFAS		
Perfluorooctanesulfonic Acid (PFOS)	NA	<0.000318 U

Location	LSB-2
Sample Name	001_LSB-2_2-4
Sample Date	02/03/2022
Sample Depth	2-4
VOCs	
Acetone	0.035
SVOCs	
Benzo(a)anthracene	**10.3 D**
Benzo(a)pyrene	7.76 D
Benzo(b)fluoranthene	**6.54 D**
Benzo(k)fluoranthene	**6.45 D**
Chrysene	**10.4 D**
Dibenz(a,h)anthracene	1.31 D
Metals	
Arsenic	8.39
Barium	199 J
Copper	137
Lead	385
Mercury	**1.17**
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	0.000504

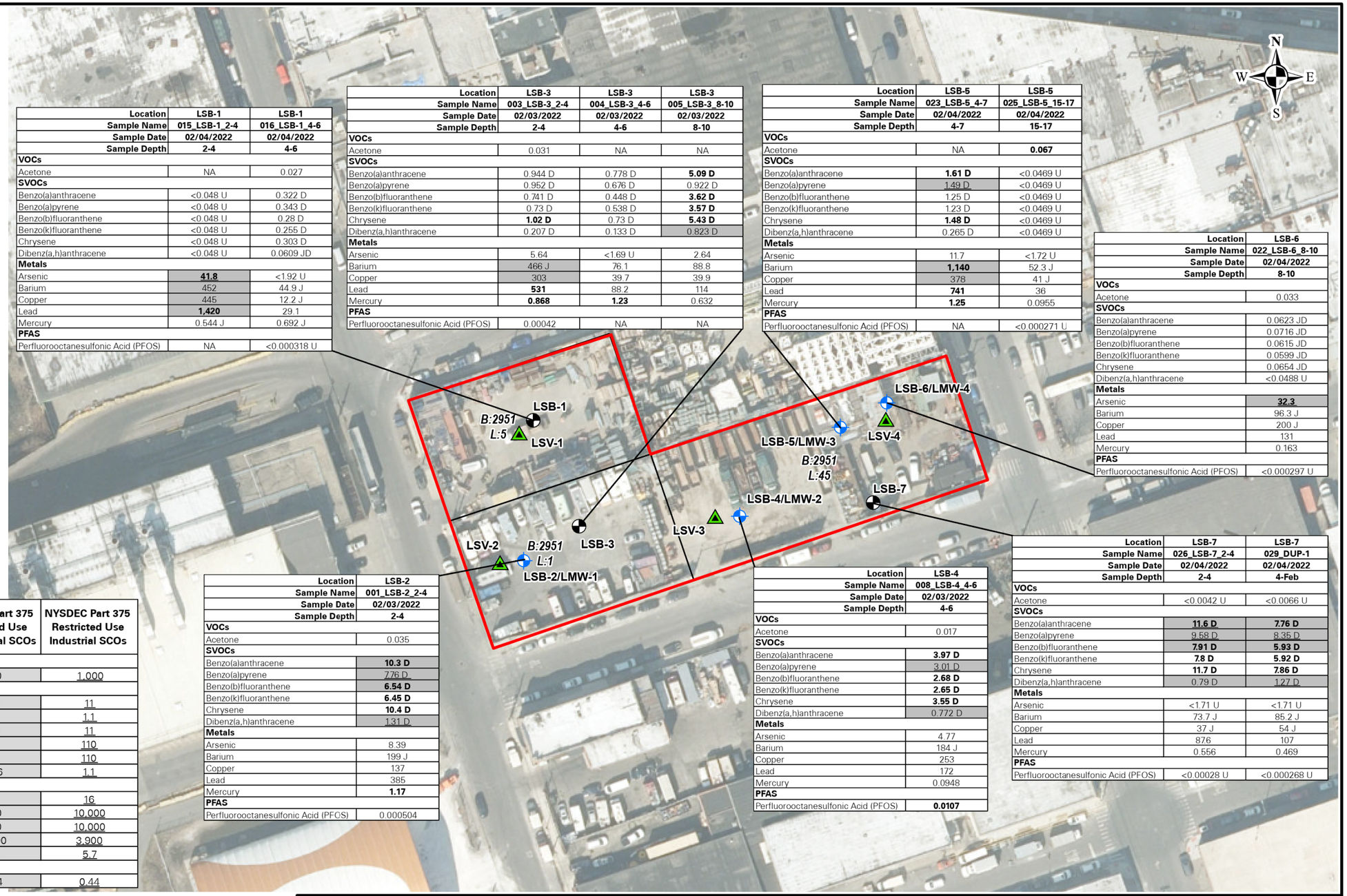
Location	LSB-3	LSB-3	LSB-3
Sample Name	003_LSB-3_2-4	004_LSB-3_4-6	005_LSB-3_8-10
Sample Date	02/03/2022	02/03/2022	02/03/2022
Sample Depth	2-4	4-6	8-10
VOCs			
Acetone	0.031	NA	NA
SVOCs			
Benzo(a)anthracene	0.944 D	0.778 D	**5.09 D**
Benzo(a)pyrene	0.952 D	0.676 D	0.922 D
Benzo(b)fluoranthene	0.741 D	0.448 D	**3.62 D**
Benzo(k)fluoranthene	0.73 D	0.538 D	**3.57 D**
Chrysene	**1.02 D**	0.73 D	**5.43 D**
Dibenz(a,h)anthracene	0.207 D	0.133 D	0.823 D
Metals			
Arsenic	5.64	<1.69 U	2.64
Barium	466 J	76.1	88.8
Copper	303	39.7	39.9
Lead	**531**	88.2	114
Mercury	**0.868**	**1.23**	0.632
PFAS			
Perfluorooctanesulfonic Acid (PFOS)	0.00042	NA	NA

Location	LSB-4
Sample Name	008_LSB-4_4-6
Sample Date	02/03/2022
Sample Depth	4-6
VOCs	
Acetone	0.017
SVOCs	
Benzo(a)anthracene	**3.97 D**
Benzo(a)pyrene	3.01 D
Benzo(b)fluoranthene	**2.68 D**
Benzo(k)fluoranthene	**2.65 D**
Chrysene	**3.55 D**
Dibenz(a,h)anthracene	0.772 D
Metals	
Arsenic	4.77
Barium	184 J
Copper	253
Lead	172
Mercury	0.0948
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	**0.0107**

Location	LSB-5	LSB-5
Sample Name	023_LSB-5_4-7	025_LSB-5_15-17
Sample Date	02/04/2022	02/04/2022
Sample Depth	4-7	15-17
VOCs		
Acetone	NA	**0.067**
SVOCs		
Benzo(a)anthracene	**1.61 D**	<0.0469 U
Benzo(a)pyrene	1.49 D	<0.0469 U
Benzo(b)fluoranthene	1.25 D	<0.0469 U
Benzo(k)fluoranthene	1.23 D	<0.0469 U
Chrysene	**1.48 D**	<0.0469 U
Dibenz(a,h)anthracene	0.265 D	<0.0469 U
Metals		
Arsenic	11.7	<1.72 U
Barium	**1,140**	52.3 J
Copper	378	41 J
Lead	**741**	36
Mercury	**1.25**	0.0955
PFAS		
Perfluorooctanesulfonic Acid (PFOS)	NA	<0.000271 U

Location	LSB-6
Sample Name	022_LSB-6_8-10
Sample Date	02/04/2022
Sample Depth	8-10
VOCs	
Acetone	0.033
SVOCs	
Benzo(a)anthracene	0.0623 JD
Benzo(a)pyrene	0.0716 JD
Benzo(b)fluoranthene	0.0615 JD
Benzo(k)fluoranthene	0.0599 JD
Chrysene	0.0654 JD
Dibenz(a,h)anthracene	<0.0488 U
Metals	
Arsenic	32.3
Barium	96.3 J
Copper	200 J
Lead	131
Mercury	0.163
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	<0.000297 U

Location	LSB-7	LSB-7
Sample Name	026_LSB-7_2-4	029_DUP-1
Sample Date	02/04/2022	02/04/2022
Sample Depth	2-4	4-Feb
VOCs		
Acetone	<0.0042 U	<0.0066 U
SVOCs		
Benzo(a)anthracene	**11.6 D**	**7.76 D**
Benzo(a)pyrene	9.58 D	8.35 D
Benzo(b)fluoranthene	**7.91 D**	**5.93 D**
Benzo(k)fluoranthene	**7.8 D**	**5.92 D**
Chrysene	**11.7 D**	**7.86 D**
Dibenz(a,h)anthracene	0.79 D	1.27 D
Metals		
Arsenic	<1.71 U	<1.71 U
Barium	73.7 J	85.2 J
Copper	37 J	54 J
Lead	876	107
Mercury	0.556	0.469
PFAS		
Perfluorooctanesulfonic Acid (PFOS)	<0.00028 U	<0.000268 U



80 0 80
SCALE IN FEET

Notes:
1. World streets basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.
2. Parcel data provided by NYC MapPLUTO 21v2.
3. Sampling locations are approximate and based on field measurements.

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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
213 MEADOW STREET
BLOCK No. 2951, LOT Nos. 1, 5, & 45
BROOKLYN NEW YORK

Drawing Title
SOIL ANALYTICAL RESULTS

Project No. 100964201
Date 3/11/2022
Scale 1" = 80'
Drawn By IHB
Submission Date
Figure 3

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Legend

- Site Boundary
- Langan Soil Boring Location
- Langan Soil Boring/Monitoring Well Location
- Langan Soil Vapor Point Location

Analyte	NYSDEC SGVs	NYSDEC Guidance Values
VOCs		
1,4-Dioxane (P-Dioxane)	NS	1
Acetone	50	NS
Tert-Butyl Methyl Ether	10	NS
SVOCs		
1,4-Dioxane (P-Dioxane)	NS	1
Benzo(a)anthracene	0.002	NS
Benzo(a)pyrene	0	NS
Benzo(b)fluoranthene	0.002	NS
Benzo(k)fluoranthene	0.002	NS
Chrysene	0.002	NS
Indeno(1,2,3-cd)pyrene	0.002	NS
Metals		
Iron	300	NS
Lead	25	NS
Magnesium	35,000	NS
Manganese	300	NS
Sodium	20,000	NS
PFAS		
Perfluorooctanesulfonic Acid (PFOS)	NS	0.01
Perfluorooctanoic Acid (PFOA)	NS	0.01

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

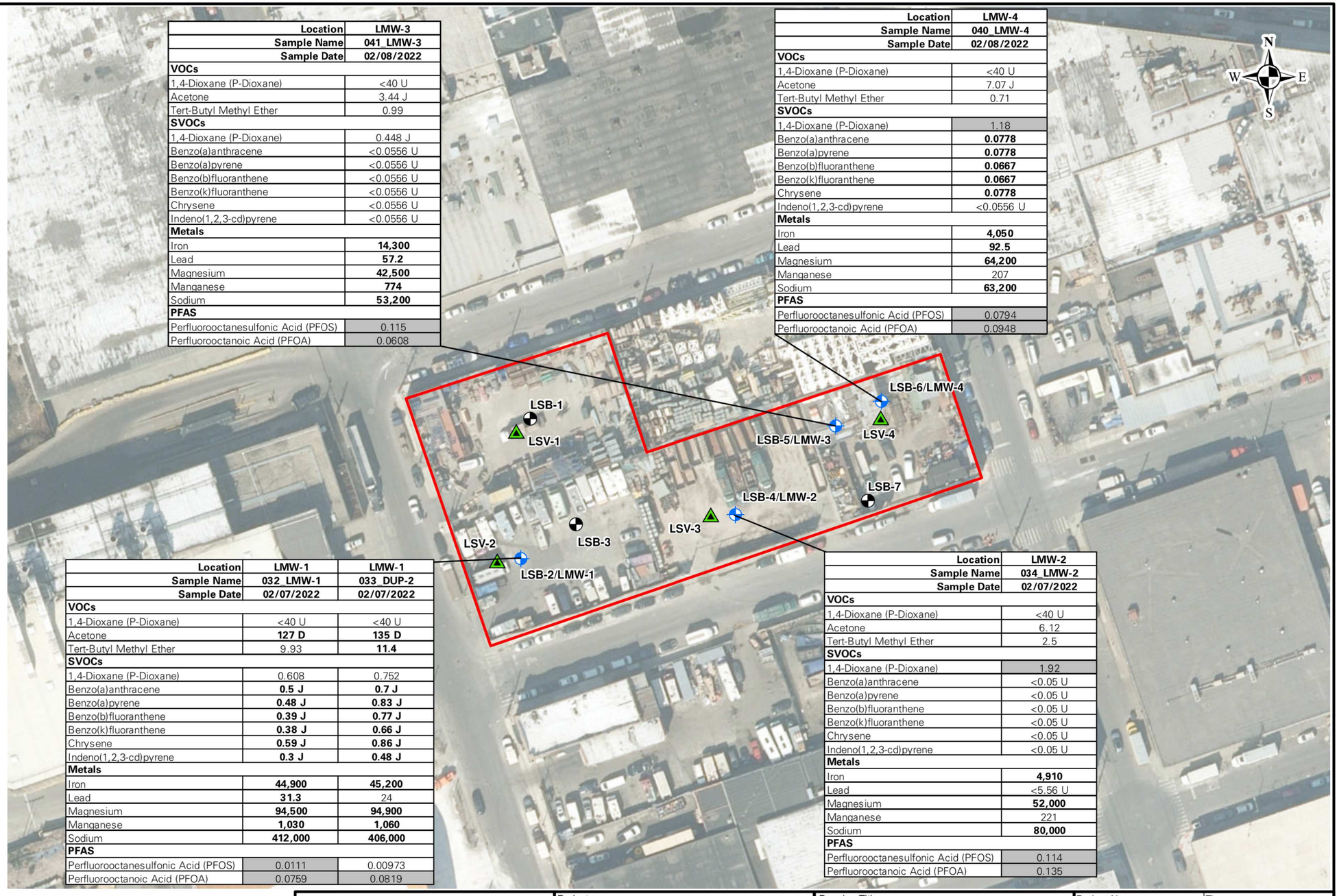
10 - Result exceeds NYSDEC Guidance Values

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 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) (June 2021) and the 1,4-Dioxane value reflects the drinking water maximum contaminant level (MCL) adopted by New York State for public water systems (July 2020). Pursuant to Part 375-1.7(f)(2), the NYSDEC will treat the MCL as relevant and appropriate and will consider this value in remedy selection.



Location	LMW-3
Sample Name	041_LMW-3
Sample Date	02/08/2022
VOCs	
1,4-Dioxane (P-Dioxane)	<40 U
Acetone	3.44 J
Tert-Butyl Methyl Ether	0.99
SVOCs	
1,4-Dioxane (P-Dioxane)	0.448 J
Benzo(a)anthracene	<0.0556 U
Benzo(a)pyrene	<0.0556 U
Benzo(b)fluoranthene	<0.0556 U
Benzo(k)fluoranthene	<0.0556 U
Chrysene	<0.0556 U
Indeno(1,2,3-cd)pyrene	<0.0556 U
Metals	
Iron	**14,300**
Lead	**57.2**
Magnesium	**42,500**
Manganese	**774**
Sodium	**53,200**
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	0.115
Perfluorooctanoic Acid (PFOA)	0.0608

Location	LMW-4
Sample Name	040_LMW-4
Sample Date	02/08/2022
VOCs	
1,4-Dioxane (P-Dioxane)	<40 U
Acetone	7.07 J
Tert-Butyl Methyl Ether	0.71
SVOCs	
1,4-Dioxane (P-Dioxane)	1.18
Benzo(a)anthracene	**0.0778**
Benzo(a)pyrene	**0.0778**
Benzo(b)fluoranthene	**0.0667**
Benzo(k)fluoranthene	**0.0667**
Chrysene	**0.0778**
Indeno(1,2,3-cd)pyrene	<0.0556 U
Metals	
Iron	**4,050**
Lead	**92.5**
Magnesium	**64,200**
Manganese	207
Sodium	**63,200**
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	0.0794
Perfluorooctanoic Acid (PFOA)	0.0948

Location	LMW-1	LMW-1
Sample Name	032_LMW-1	033_DUP-2
Sample Date	02/07/2022	02/07/2022
VOCs		
1,4-Dioxane (P-Dioxane)	<40 U	<40 U
Acetone	**127 D**	**135 D**
Tert-Butyl Methyl Ether	9.93	**11.4**
SVOCs		
1,4-Dioxane (P-Dioxane)	0.608	0.752
Benzo(a)anthracene	**0.5 J**	**0.7 J**
Benzo(a)pyrene	**0.48 J**	**0.83 J**
Benzo(b)fluoranthene	**0.39 J**	**0.77 J**
Benzo(k)fluoranthene	**0.38 J**	**0.66 J**
Chrysene	**0.59 J**	**0.86 J**
Indeno(1,2,3-cd)pyrene	**0.3 J**	**0.48 J**
Metals		
Iron	**44,900**	**45,200**
Lead	**31.3**	24
Magnesium	**94,500**	**94,900**
Manganese	**1,030**	**1,060**
Sodium	**412,000**	**406,000**
PFAS		
Perfluorooctanesulfonic Acid (PFOS)	0.0111	0.00973
Perfluorooctanoic Acid (PFOA)	0.0759	0.0819

Location	LMW-2
Sample Name	034_LMW-2
Sample Date	02/07/2022
VOCs	
1,4-Dioxane (P-Dioxane)	<40 U
Acetone	6.12
Tert-Butyl Methyl Ether	2.5
SVOCs	
1,4-Dioxane (P-Dioxane)	1.92
Benzo(a)anthracene	<0.05 U
Benzo(a)pyrene	<0.05 U
Benzo(b)fluoranthene	<0.05 U
Benzo(k)fluoranthene	<0.05 U
Chrysene	<0.05 U
Indeno(1,2,3-cd)pyrene	<0.05 U
Metals	
Iron	**4,910**
Lead	<5.56 U
Magnesium	**52,000**
Manganese	221
Sodium	**80,000**
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	0.114
Perfluorooctanoic Acid (PFOA)	0.135

80 0 80
SCALE IN FEET

Notes:
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3. Sampling locations are approximate and based on field measurements.

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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
213 MEADOW STREET
BROOKLYN NEW YORK

Drawing Title
GROUNDWATER ANALYTICAL RESULTS

Project No. 100964201
Date 8/30/2023
Scale 1 " = 80 '
Drawn By IHB
Submission Date

Figure 4

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Legend

- Site Boundary
- Langan Soil Boring Location
- Langan Soil Boring/Monitoring Well Location
- Langan Soil Vapor Point Location

Analyte	NYSDOH Decision Matrices Minimum Concentrations
VOCs	
1,1,1-Trichloroethane	**100**
1,1-Dichloroethane	NS
1,1-Dichloroethene	**6**
1,2,4-Trimethylbenzene	NS
1,2-Dichlorobenzene	NS
1,3,5-Trimethylbenzene (Mesitylene)	NS
1,4-Dichlorobenzene	NS
4-Ethyltoluene	NS
Acetone	NS
Benzene	NS
Carbon Disulfide	NS
Carbon Tetrachloride	**6**
Chloromethane	NS
Cis-1,2-Dichloroethene	**6**
Cyclohexane	NS
Dichlorodifluoromethane	NS
Ethyl Acetate	NS
Ethylbenzene	NS
Isopropanol	NS
M,P-Xylene	NS
Methyl Ethyl Ketone (2-Butanone)	NS
Methyl Methacrylate	NS
Methylene Chloride	**100**
n-Heptane	NS
n-Hexane	NS
o-Xylene (1,2-Dimethylbenzene)	NS
Tert-Butyl Methyl Ether	NS
Tetrachloroethene (PCE)	**100**
Toluene	NS
Trichloroethene (TCE)	**6**
Trichlorofluoromethane	NS
Vinyl Chloride	**6**

Exceedance Summary:

10 - Result exceeds minimum soil vapor concentrations recommending mitigation

Notes:
SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Qualifiers:
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.

Location	LSV-1
Sample Name	044_LSV-1
Sample Date	02/08/2022
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<0.806 UJ
1,1-Dichloroethane	<0.598 UJ
1,1-Dichloroethene	<0.293 UJ
1,2,4-Trimethylbenzene	<0.726 UJ
1,2-Dichlorobenzene	<0.888 UJ
1,3,5-Trimethylbenzene (Mesitylene)	<0.726 UJ
1,4-Dichlorobenzene	<0.888 UJ
4-Ethyltoluene	<0.726 UJ
Acetone	40 J
Benzene	2.12 J
Carbon Disulfide	<0.46 UJ
Carbon Tetrachloride	0.279 J
Chloromethane	1.16 J
Cis-1,2-Dichloroethene	<0.293 UJ
Cyclohexane	0.508 J
Dichlorodifluoromethane	2.19 J
Ethyl Acetate	1.17 J
Ethylbenzene	<0.641 UJ
Isopropanol	4.03 J
M,P-Xylene	1.47 J
Methyl Ethyl Ketone (2-Butanone)	1.48 J
Methyl Methacrylate	0.726 J
Methylene Chloride	4.67 J
n-Heptane	0.848 J
n-Hexane	1.61 J
o-Xylene (1,2-Dimethylbenzene)	<0.641 UJ
Tert-Butyl Methyl Ether	<0.533 UJ
Tetrachloroethene (PCE)	<1 UJ
Toluene	4.29 J
Trichloroethene (TCE)	0.397 J
Trichlorofluoromethane	1.16 J
Vinyl Chloride	<0.189 UJ

Location	LSV-2
Sample Name	045_LSV-2
Sample Date	02/08/2022
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<2.98 UJ
1,1-Dichloroethane	<2.21 UJ
1,1-Dichloroethene	<1.08 UJ
1,2,4-Trimethylbenzene	8.31 J
1,2-Dichlorobenzene	<3.28 UJ
1,3,5-Trimethylbenzene (Mesitylene)	4.29 J
1,4-Dichlorobenzene	<3.28 UJ
4-Ethyltoluene	6.44 J
Acetone	12.7 J
Benzene	<1.74 UJ
Carbon Disulfide	31.3 J
Carbon Tetrachloride	<0.858 UJ
Chloromethane	<1.13 UJ
Cis-1,2-Dichloroethene	<1.08 UJ
Cyclohexane	468 J
Dichlorodifluoromethane	<2.7 UJ
Ethyl Acetate	<3.93 UJ
Ethylbenzene	6.16 J
Isopropanol	<2.68 UJ
M,P-Xylene	7.58 J
Methyl Ethyl Ketone (2-Butanone)	5.15 J
Methyl Methacrylate	<2.23 UJ
Methylene Chloride	<3.79 UJ
n-Heptane	<2.24 UJ
n-Hexane	74.2 J
o-Xylene (1,2-Dimethylbenzene)	4.5 J
Tert-Butyl Methyl Ether	<1.97 UJ
Tetrachloroethene (PCE)	<3.7 UJ
Toluene	5.96 J
Trichloroethene (TCE)	<0.733 UJ
Trichlorofluoromethane	<3.07 UJ
Vinyl Chloride	<0.697 UJ

Location	LSV-4	LSV-4
Sample Name	042_LSV-4	043_DUP-3
Sample Date	02/08/2022	02/08/2022
Sample Type	SV	SV
VOCs		
1,1,1-Trichloroethane	<2.82 UJ	<2.93 UJ
1,1-Dichloroethane	<2.09 UJ	21.7 J
1,1-Dichloroethene	<1.03 UJ	<1.06 UJ
1,2,4-Trimethylbenzene	2.54 J	<2.64 UJ
1,2-Dichlorobenzene	<3.11 UJ	<3.22 UJ
1,3,5-Trimethylbenzene (Mesitylene)	<2.54 UJ	<2.64 UJ
1,4-Dichlorobenzene	<3.11 UJ	<3.22 UJ
4-Ethyltoluene	<2.54 UJ	<2.64 UJ
Acetone	33.3 J	32.2 J
Benzene	<1.65 UJ	<1.71 UJ
Carbon Disulfide	6.28 J	6.51 J
Carbon Tetrachloride	<0.813 UJ	<0.844 UJ
Chloromethane	<1.07 UJ	<1.11 UJ
Cis-1,2-Dichloroethene	<1.03 UJ	<1.06 UJ
Cyclohexane	9.26 J	8.49 J
Dichlorodifluoromethane	36.8 J	<2.65 UJ
Ethyl Acetate	<3.73 UJ	<3.87 UJ
Ethylbenzene	3.59 J	3.26 J
Isopropanol	<2.54 UJ	<2.64 UJ
M,P-Xylene	<4.49 UJ	<4.66 UJ
Methyl Ethyl Ketone (2-Butanone)	8.08 J	7.75 J
Methyl Methacrylate	<2.12 UJ	<2.2 UJ
Methylene Chloride	<3.59 UJ	4.47 J
n-Heptane	400 J	372 J
n-Hexane	707 J	653 J
o-Xylene (1,2-Dimethylbenzene)	<2.25 UJ	<2.33 UJ
Tert-Butyl Methyl Ether	7.09 J	<1.93 UJ
Tetrachloroethene (PCE)	<3.51 UJ	<3.64 UJ
Toluere	<1.95 UJ	2.43 J
Trichlroethene (TCE)	<0.695 UJ	<0.721 UJ
Trichlrofluoromethane	<2.91 UJ	<3.01 UJ
Vinyl Chloride	<0.661 UJ	<0.686 UJ

Location	LSV-3
Sample Name	046_LSV-3
Sample Date	02/08/2022
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<3.75 UJ
1,1-Dichloroethane	<2.78 UJ
1,1-Dichloroethene	<1.36 UJ
1,2,4-Trimethylbenzene	5.06 J
1,2-Dichlorobenzene	6.6 J
1,3,5-Trimethylbenzene (Mesitylene)	<3.37 UJ
1,4-Dichlorobenzene	28.9 J
4-Ethyltoluene	<3.37 UJ
Acetone	12.7 J
Benzene	3.07 J
Carbon Disulfide	2.35 J
Carbon Tetrachloride	<1.08 UJ
Chloromethane	<1.42 UJ
Cis-1,2-Dichloroethene	<1.36 UJ
Cyclohexane	244 J
Dichlorodifluoromethane	<3.39 UJ
Ethyl Acetate	<4.95 UJ
Ethylbenzene	9.24 J
Isopropanol	12.8 J
M,P-Xylene	8.64 J
Methyl Ethyl Ketone (2-Butanone)	2.63 J
Methyl Methacrylate	<2.81 UJ
Methylene Chloride	6.2 J
n-Heptane	81.3 J
n-Hexane	260 J
o-Xylene (1,2-Dimethylbenzene)	3.28 J
Tert-Butyl Methyl Ether	<2.48 UJ
Tetrachloroethene (PCE)	<4.66 UJ
Toluene	8.02 J
Trichloroethene (TCE)	<0.922 UJ
Trichlorofluoromethane	<3.86 UJ
Vinyl Chloride	<0.877 UJ

80 0 80
SCALE IN FEET

Notes:
1. World streets basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.
2. Parcel data provided by NYC MapPLUTO 21v2.
3. Sampling locations are approximate and based on field measurements.

LANGAN
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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: 213 MEADOW STREET
BROOKLYN NEW YORK

Drawing Title: SOIL VAPOR ANALYTICAL RESULTS

Project No.	100964201
Date	8/30/2023
Scale	1 " = 80 '
Drawn By	IHB
Submission Date	
Figure	5

© 2012 Langan

Path: \\langan.com\data\PAR\data2\100964201\Project Data\ArcGIS\MXD\Environmental_Figures\10.5\Figure 5 - Soil Vapor Analytical Results.mxd Date: 8/30/2023 User: aruane Time: 10:05:54 AM

ATTACHMENT A

GEOPHYSICAL SURVEY REPORT

LANGAN

HAGER-RICHTER
GEOSCIENCE, INC.

UTILITY LOCATING SERVICES
213 MEADOW STREET
BROOKLYN, NEW YORK

Prepared for:

LANGAN, Inc.
2000 Cannonball Rd
Pompton Lakes, New Jersey 07442

Prepared by:

Hager-Richter Geoscience, Inc.
dba HR Geological Services in New York
846 Main Street
Fords, New Jersey 08863

File 22AM01
March 2022

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HAGER-RICHTER
GEOSCIENCE, INC.

GEOPHYSICS FOR THE ENGINEERING COMMUNITY
SALEM, NEW HAMPSHIRE
Tel: 603.893.9944
FORDS, NEW JERSEY
Tel: 732.661.0555

February 18, 2022
File 22AM01

Molly Mattern
Senior Staff Scientist
Langan
300 Kimball Drive, 4th Floor
Parsippany, New Jersey 07054

Off: 973.560.4827
Cell: 973.349.4156
Email: mmattern@Langan.com

RE: Utility Location Services
213 Meadow Street
Brooklyn, New York

Dear Ms. Mattern:

In this report, we summarize the results of a geophysical survey conducted in February 2022, by Hager-Richter Geoscience, Inc. (HRGS), at the above referenced site for LANGAN. The scope of the project and areas of interest (AOIs) were specified by LANGAN.

INTRODUCTION

The site is an active industrial property located at 213 Meadow Street (shown at Block 2951, Lot 45 on NYC Oasis database) in Brooklyn, New York. Figure 1 shows the general location of the site. Langan planned on conducting drilling activities at the site and several adjacent properties (Block 2951, Lot 5 and Lot 7). Prior to drilling, LANGAN requested a geophysical survey to determine the locations of subsurface utilities in the accessible portions of a total of seven (7) proposed boring locations. Figure 2 shows the approximate location of the areas of interest (AOIs), that measured approximately 20-ft by 20-ft and centered at the locations of the proposed borings. Potential utilities and other features detected in the vicinity of proposed borings were marked on the ground at the time of the survey. Access to the northwestern property (Block 2951, Lot 5) at the proposed location of Boring 7, was not available at the time of the survey, therefore, information for this boring will not be reported in this document.

OBJECTIVE

The objective of the geophysical survey was to detect and, if detected, to locate utilities and other subsurface obstructions in the accessible portions of approximately 20 ft by 20 ft areas centered at the locations of six (6) proposed boring locations.

THE SURVEY

Amanda Fabian, P.G. and Alexis Martinez of HRGS conducted the field operations on February 3rd, 2022. The project was coordinated with Ms. Molly Mattern of LANGAN. Ms. Morgan Mcbride, also of LANGAN, was present for the survey and specified the proposed boring locations.

The geophysical survey was conducted using two (2) complementary geophysical methods: ground penetrating radar (GPR) and precision utility location (PUL).

GPR data were acquired in two mutually perpendicular directions and spaced no more than 5 feet apart across the accessible portions of the AOIs. The GPR method is useful for detecting both metallic and non-metallic subsurface objects.

The PUL system was used for tracking utilities in the AOIs by scanning the AOI for the presence of live electric lines and connecting the transmitter to surface features such as valves and hydrants, where visible. Utilities and other features detected in the vicinity of proposed borings were marked on the ground at the time of the survey. LANGAN was notified where proposed boring locations conflicted with detected utilities and/or features.

The survey crew arbitrarily numbered the proposed boring locations as they conducted the field work. The locations were identified as Borings 1 through 7. As indicated above, since access to the northwestern property was not available, no survey was conducted at the proposed boring location (Boring 7) on that lot.

EQUIPMENT AND PROCEDURES

GPR. The GPR survey was conducted using a Geophysical Survey Systems, Inc. UtilityScan HS system with a 350 MHz Hyper Stacking digital antenna and an 80 ns time window. The system includes a survey wheel that triggers the recording of the data at fixed intervals, thereby ensuring the accuracy of the locations of features detected along the survey lines.

GPR uses a high-frequency electromagnetic pulse (referred to herein as “radar signal”) transmitted from a radar antenna to probe the subsurface. The transmitted radar signals are reflected from subsurface interfaces of materials with contrasting electrical properties. Travel times of the radar signal can be converted to approximate depth below the surface by correlation with targets of known depths and by a curve matching routine. We monitor the acquisition of GPR data in the field and record the GPR data digitally for subsequent processing. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

Data from the GPR survey were processed using RADAN 7.4 GPR processing software from Geophysical Survey Systems, Inc. We reviewed profile images of the GPR data. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

PUL. The PUL survey was conducted using a Radiodetection RD 7000 series PUL instrument. The RD 7000 series consists of separate transmitter and receiver. The system can be used in "passive" and "active" modes to locate buried pipes by detecting electromagnetic signals carried by the pipes. In the "passive" mode, only the receiver unit is used to detect signals carried by the pipe from nearby power lines, live signals transmitted along underground power cables, or very low frequency radio signals resulting from long wave radio transmissions that flow along buried conductors. In the "active" mode of operation, the transmitter is used to induce a signal on a target pipe, and the receiver is used to trace the signal along the length of the pipe. Our system uses a 10W transmitter.

LIMITATIONS OF THE METHOD

> HRGS MAKES NO GUARANTEE THAT ALL TARGETS WERE DETECTED IN THIS SURVEY. HRGS IS NOT RESPONSIBLE FOR DETECTING TARGETS THAT CANNOT BE DETECTED BY THE METHODS EMPLOYED OR BECAUSE OF SITE CONDITIONS. GPR SIGNAL PENETRATION MIGHT NOT BE SUFFICIENT TO DETECT ALL TARGETS.

Field mark-outs. Utilities and other features detected by the GPR and PUL methods at the time of the survey are marked in the field. Adverse weather and site conditions (rain, uneven surfaces, high traffic, etc.) can hamper in-field interpretation. Field markings made on wet pavement, sand, or gravel surfaces, or in active construction zones may not last. HRGS is not responsible for maintaining field markings after leaving the work area.

GPR. There are limitations of the GPR technique as used to detect and/or locate targets such as those of the objectives of this survey: (1) surface conditions, (2) electrical conductivity of the ground, (3) contrast of the electrical properties of the target and the surrounding soil, and (4) spacing of the traverses. Of these restrictions, only the last is controllable by us.

The condition of the ground surface can affect the quality of the GPR data and the depth of penetration of the GPR signal. Sites covered with snow piles, high grass, bushes, landscape structures, debris, obstacles, soil mounds, etc. limit the survey access and the coupling of the GPR antenna with the ground. In many cases, the GPR signal will not penetrate below concrete pavement, especially inside buildings, and a target may not be detectable. The GPR method also commonly does not provide useful data under canopies found at some facilities. GPR surveys inside buildings may be severely constrained by space limitations and interference from above-grade structures.

The electrical conductivity of the ground determines the attenuation of the GPR signals and thereby limits the maximum depth of exploration. For example, the GPR signal does not penetrate clay-rich soils and targets buried in clay might not be detected.

A definite contrast in the electrical conductivities of the surrounding ground and the target material is required to obtain a reflection of the GPR signal. If the contrast is too small, possibly due to construction details or deeply corroded metal in the target, then the reflection may be too weak to recognize, and the target can be missed. In many cases, plastic, clay, asbestos concrete (transite), brick-lined, stone-lined, and other non-metallic utilities cannot be detected.

Spacing of the traverses is limited by access at many sites, but where flexibility of traverse spacing is possible, the spacing is adjusted to the size of the target. The GPR operator controls the spacing between lines, and the design of the survey is based on the dimensions of the smallest feature of interest. Targets with dimensions smaller than the spacing between GPR survey lines can be missed.

PUL. The PUL equipment cannot detect non-metallic utilities, such as pipes constructed of vitrified clay, transite, plastic, PVC, fiberglass, and unreinforced concrete, when used in passive mode alone. Such pipes can be detected if a wire tracer is installed with access to such tracer for transmission of a signal or where access (such as floor drains and clean-outs) permits insertion of a device on which a signal can be transmitted.

In some, but not all, cases, the subsurface utility designation equipment cannot detect metal utilities reliably under reinforced concrete because the signal couples onto the metal reinforcing in the concrete. Similarly, the method commonly cannot be used adjacent to grounded metal structures such as chain link fences and metal guardrails.

In congested areas, where several utilities are bundled or located within a short distance, the signal transmitted on one utility can couple onto adjacent utilities, and the accuracy of the location indicated by the instrument decreases.

RESULTS

The geophysical survey was conducted using the GPR and PUL methods across the accessible portions of the specified AOIs. Utilities and other features detected in the vicinity of proposed borings were marked on the ground at the time of the survey. Figure 2 shows the locations of the AOIs, and Figure 3 shows the GPR traverses and an integrated interpretation of the geophysical data.

GPR. Apparent GPR signal penetration was variable, with reflections received for about 10 - 20 nanoseconds. Based upon velocity matching calibrations made for the area of interest, the GPR signal penetration is estimated to have been about 1 - 2 feet.

Several unidentified buried objects were detected, and their locations are shown in Figure 3 using “X” symbols. No indication of anomalies associated with possible utilities were identified in the GPR records.

Whether additional utilities, or other features occur at a depth greater than the effective depth of penetration of the GPR signal (~1 to 2 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

PUL. The PUL transmitter was attached to conduits located in or near the AOIs, such as electrical conduit, a water spigot, etc. The PUL survey was also conducted in "passive" mode to detect signals carried by utilities from nearby power lines. An electric utility was detected at Boring 1. Water utilities were detected at Boring 5 and Boring 6. Ms. McBride was notified that the detected water utilities conflicted with the nearby proposed boring locations. No manholes or catch basins were seen in the vicinity of the proposed borings to observe visual alignment of possible sewer and drain utilities. Utilities detected with the PUL were marked in field at the time of the survey.

CONCLUSIONS

Based upon the geophysical survey performed by HRGS at 213 Meadow Street in Brooklyn, New York, we conclude that:

- A possible electric utility was detected at proposed Boring 1.
- Possible water lines were detected at proposed Borings 5 and 6.
- Small unidentified buried objects were detected at proposed borings 2, 3 and 5.
- *Whether additional utilities or other features occur at a depth greater than the effective depth of penetration of the GPR signal (~1 to 2 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data*.

LIMITATIONS ON USE OF THE REPORT

This letter report was prepared for the exclusive use of LANGAN and its client (collectively, the Client). No other party shall be entitled to rely on this Report, or any information, documents, records, data, interpretations, advice, or opinions given to the Client by Hager-Richter Geoscience, Inc. (HRGS) in the performance of its work. The Report relates solely to the specific project for which HRGS has been retained and shall not be used or relied upon by the Client or any third party for any variation or extension of this project, any other project or any other purpose without the express written permission of HRGS. Any unpermitted use by the Client or any third party shall be at the Client's or such third party's own risk and without any liability to HRGS.

HRGS has used reasonable care, skill, competence, and judgment in the performance of its services for this project consistent with professional standards for those providing similar services at the same time, in the same locale, and under like circumstances. Unless otherwise stated, the work performed by HRGS should be understood to be exploratory and interpretational

in character and any results, findings or recommendations contained in this Report or resulting from the work proposed may include decisions which are judgmental in nature and not necessarily based solely on pure science or engineering. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

Except as expressly provided in this limitations section, HRGS makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed.

If you have any questions or comments on this letter report, please contact us at your convenience. It has been a pleasure to work with LANGAN on this project. We look forward to working with you again in the future.

Sincerely yours,
HAGER-RICHTER GEOSCIENCE, INC.
dba HR Geological Services in New York

Alexis Martinez
Senior Geophysicist

Amanda Fabian, P.G. (NY 000567)
Geophysicist

Attachments: Figures 1-3

N

H-R

APPROXIMATE SCALE (feet)

0 500 1000

LOCATION

NOTE:

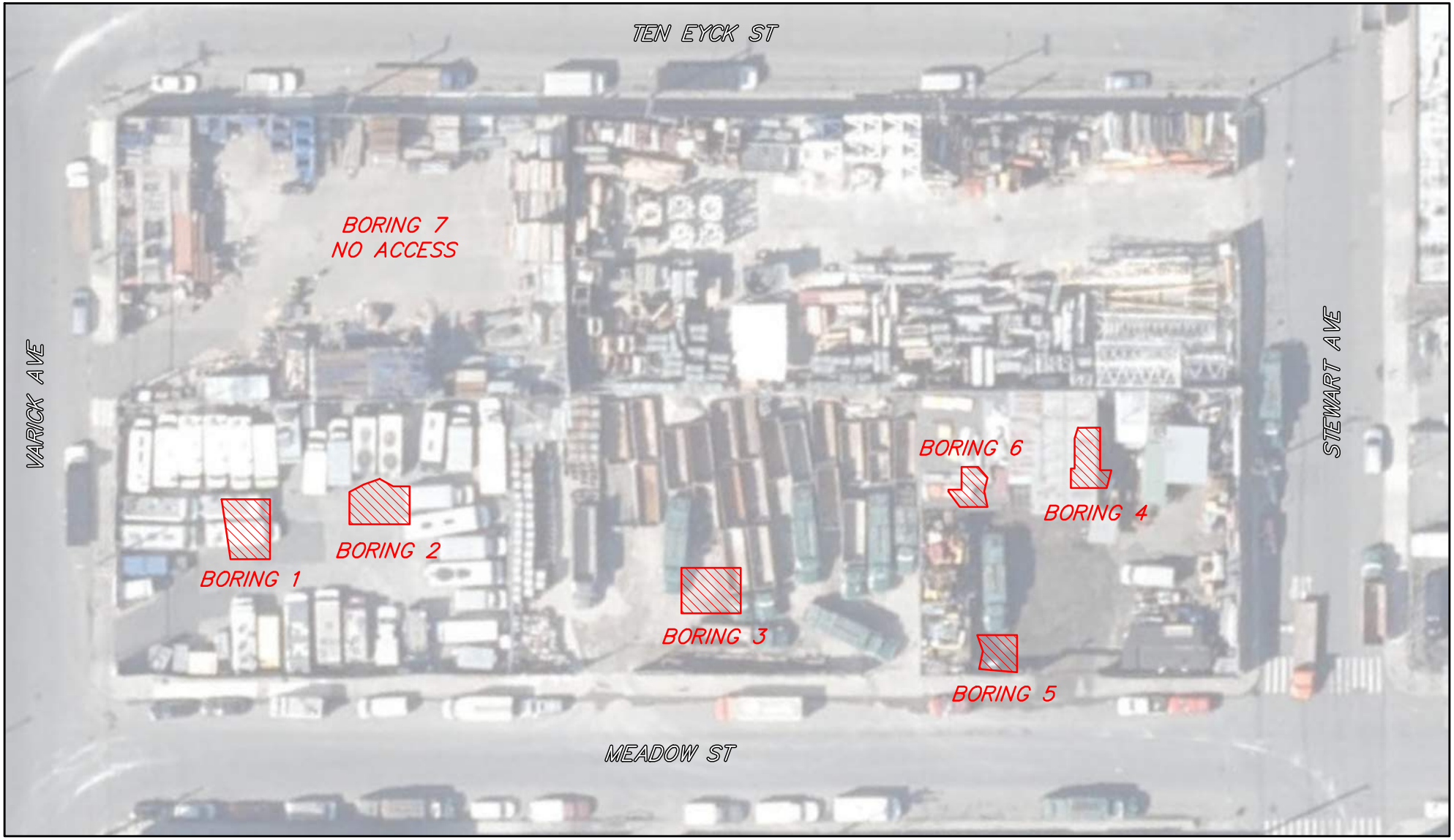
Modified from Google Earth Pro aerial photograph.

* DBA HR Geological Services in New York

Figure 1
General Site Location
213 Meadow Street
Brooklyn, New York

File 22AM01 | February, 2022

HAGER–RICHTER*
Salem, NH | Fords, NJ



SCALE (feet)

0 50 100

LEGEND

APPROXIMATE LIMITS OF GEOPHYSICAL SURVEY AREA

N

NOTE:

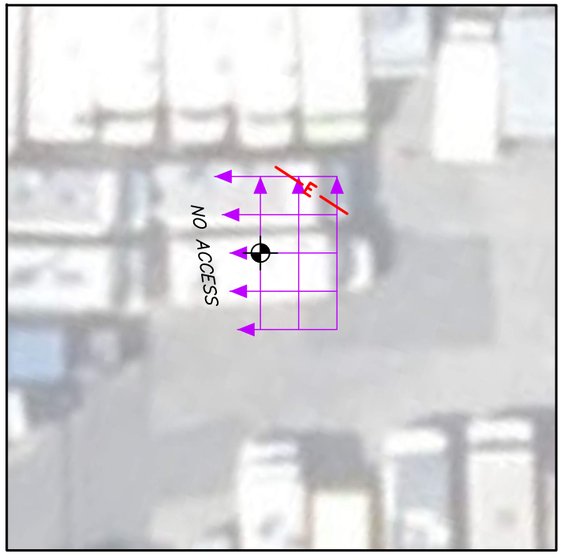
Modified from site plan provided by Langan, identified as Meadow Street Proposed Boring Drilling Phasing (2022-01-27).pdf

* DBA HR Geological Services in New York

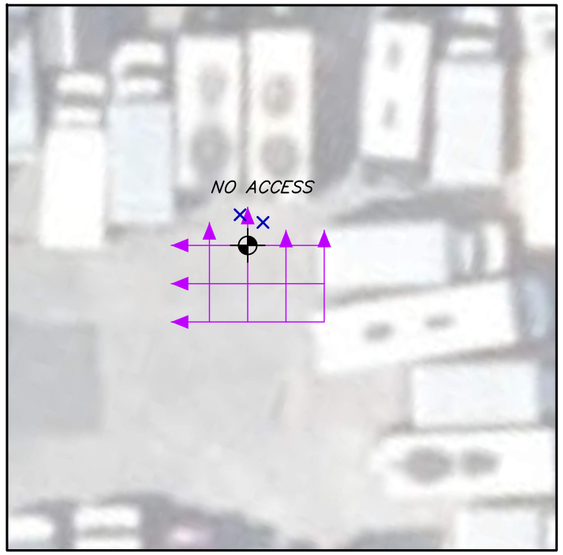
Figure 2
Survey Area Locations
213 Meadow Street
Brooklyn, New York

File 22AM01 | February, 2022

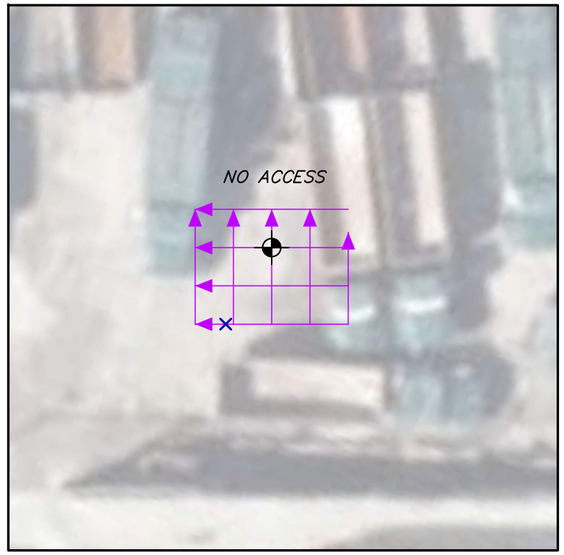
HAGER-RICHTER*
Salem, NH | Fords, NJ



BORING 1

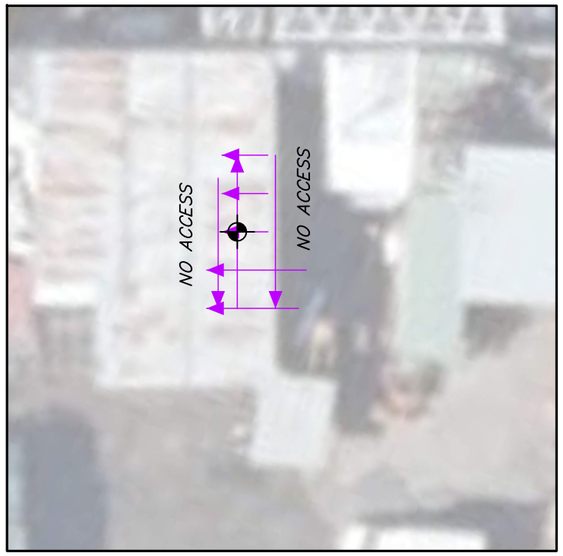


BORING 2

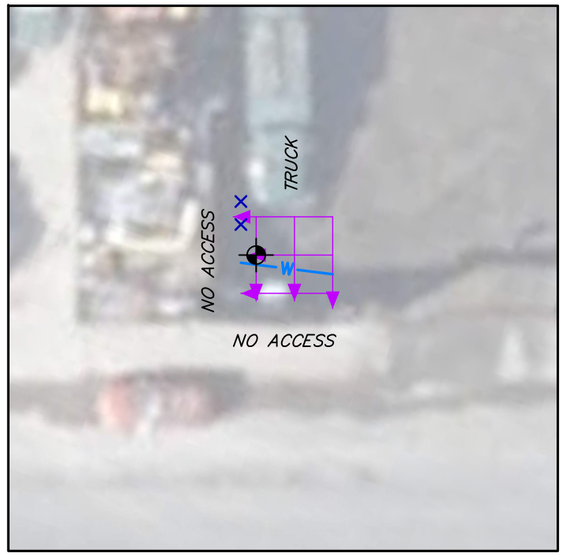


BORING 3

BORING 6



BORING 4



BORING 5

LEGEND

- GPR TRAVERSE
- E — ELECTRIC LINE
- W — WATER LINE
- × — UNIDENTIFIED BURIED OBJECT
- ⊕ — PROPOSED BORING

NOTE:

Modified from site plan provided by Langan, identified as Meadow Street Proposed Boring Drilling Phasing (2022–01–27).pdf

SCALE (feet)

0 20 40

* DBA HR Geological Services in New York

Figure 3
Geophysical Survey Boring 1, 2, 3, 6, 4, & 5
213 Meadow Street
Brooklyn, New York

File 22AM01 | February, 2022

HAGER–RICHTER*
Salem, NH | Fords, NJ

ATTACHMENT B

SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS

LANGAN

LANGAN

Log of Boring **LSB-1** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-1	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/4/22 / Date Finished: 2/4/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- / Undisturbed 4 / Core 0
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 10 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE	0					0	Started drilling on 2/4/2022.
			1					0	
								0	
								0	
		Brown SAND, some brick, some gravel (dry)	2					0	8:35 AM - Collect sample 015_LSB-1_2-4 from 2-4' bgs. VOCs collected from 2.5-3' bgs.
				M-1	Macrocore	30		0	
		Dark brown sandy SILT, some clay (dry)	3					0	
								0	Odor from 3-6' bgs.
			4					0	8:40 AM - Collect sample 016_LSB-1_4-6 from 4-6' bgs. VOCs collected from 4.5-5' bgs.
		Dark brown fine-medium SAND, some gravel (dry)	5					0	
		Dark brown silty fine-medium SAND, trace gravel (dry)						0	
			6					0	
								0	8:45 AM - Collect sample 017_LSB-1_6-8 from 6-8' bgs. VOCs collected from 6.5-7' bgs.
			7	M-2	Macrocore	48		0	
		Dark brown silty fine-medium SAND, trace brick, trace glass, trace gravel (dry)						0	
			8					0	
		Dark brown sandy SILT, some clay (moist)						0	
			9					0	
								0	
		Brown fine-medium SAND, some gravel (wet) ▽	10					0	
		Brown sandy SILT, some clay (wet)						0	
			11					0	
		Gray fine-medium SAND, some gravel, trace wood, trace clay (wet)						0	
			12	M-3	Macrocore	42		0	
								0	
			13					0	
								0	
			14					0.1	
		Dark brown CLAY (moist)	15					0	
								0	
			16					0	
								0	
			17					0	
				M-4	Macrocore	42		0	
			18					0	
								0	
			19					0	
								0	
		Dark brown PEAT, some clay, trace organics (moist)	20						Bottom of boring at 20' bgs.
			21						
			22						

\\LANGAN.COM\DATA\PAR\DATA2\100964201\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\100964201_ENTERPRISE.GPJ ... 3/11/2022 10:47:12 AM ... Report: Log - LANGAN

LANGAN

Log of Boring **LSB-2/LMW-1** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-2	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/3/22 / Date Finished: 2/3/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- / Undisturbed 4 / Core 0
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 12 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)
		CONCRETE	0					0
			1					0
								0
								0
		Dark brown fine-medium SAND, some gravel, trace coal ash, brick fragments (dry)	2	M-1	Macrocore	36		0
								0
			3					0
								0.1
			4					0.1
								0.1
		Dark brown fine-medium SAND, some gravel, brick fragments (dry)	5					0
								0.1
		Brown silty fine-medium SAND, trace clay (moist)	6					0
				M-2	Macrocore	42		0
			7					0
								0
			8					0
								0
			9					0
								0
		Brown fine-medium SAND, some gravel, trace silt (moist)	10					0
								0
		Black fine-medium SAND, trace silt, trace gravel (moist)	11					0
								0
		Gray fine-medium SAND, some gravel (wet) ▽	12					0
				M-3	Macrocore	42		0
			13					0
								0
			14					0
								0
		Dark black fine-medium SAND, trace gravel (wet)	15					0.1
								0.2
			16					0.4
								3.3
		Dark black silty fine-medium SAND, trace clay (wet)	17					4.8
				M-4	Macrocore	42		0.4
			18					0.4
								0.2
		Dark brown PEAT, some clay (moist)	19					0.1
								0.1
			20					
			21					
			22					

Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)

Started Drilling on 2/3/2022.

10:35 AM - Collect sample 001_LSB-2_2-4 from 2-4' bgs. VOCs collected from 2.5-3' bgs.

Slight Odor.
10:40 AM - Collect sample 002_LSB-2_4-6 from 4-6' bgs. VOCs collected from 4.5-5' bgs.

Bottom of boring at 20' bgs.

\\LANGAN.COM\DATA\PAR\DATA2\100964201\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\100964201_ENTERPRISE.GPJ ... 3/11/2022 10:47:15 AM ... Report: Log - LANGAN

LANGAN

Log of Boring **LSB-3** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-3	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/3/22 — Date Finished: 2/3/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft — Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- — Undisturbed 4 — Core 0
Casing Diameter (in): -- — Casing Depth (ft): --	Water Level (ft.): First ▽ 10 — Completion ▼ -- — 24 HR. ▼ --
Casing Hammer: -- — Weight (lbs): -- — Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE	0					0	Started Drilling on 2/3/2022.
		Brown fine-medium SAND, trace coal, trace gravel, brick lenses (dry)	1					0	
		Black fine-medium SAND, trace silt, trace gravel (dry)	2	M-1	Macrocore	40		0	12:10 AM - Collect sample 003_LSB-3_2-4 from 2-4' bgs. VOCs collected from 2.5-3' bgs.
		Dark brown sandy CLAY, trace brick, trace gravel (moist)	3					0	
			4					0	12:15 AM - Collect sample 004_LSB-3_4-6 from 4-6' bgs. VOCs collected from 4.5-5' bgs.
			5					0	
		Grayish brown sandy CLAY, trace gravel (wet)	6	M-2	Macrocore	42		0	
			7					0	
			8					0	12:20 PM - Collect sample 005_LSB-3_8-10 from 8-10' bgs. VOCs collected from 8.5-9' bgs.
			9					0	
		▽	10					0	
		Brown silty fine-medium SAND, trace clay, trace gravel (wet)	11	M-3	Macrocore	42		0	
		Black fine-medium SAND, trace silt, trace gravel (wet)	12					0	
		Gray fine-medium SAND, some gravel (wet)	13					0	
			14					0	
		Dark black silty fine-medium SAND, trace gravel (wet)	15	M-4	Macrocore	42		0	
			16					0	
			17					0	
		Dark black silty fine-medium SAND, some clay, trace gravel (wet)	18					0	
		Dark brown PEAT, some clay (moist)	19					0	
			20						Bottom of boring at 20' bgs.
			21						
			22						

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Log of Boring **LSB-4/LMW-2** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-4	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/3/22 / Date Finished: 2/3/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- / Undisturbed 4 / Core 0
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 10 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown fine-medium SAND, trace brick, trace silt, trace gravel (dry)	0	M-1	Macrocore	52		0	Started Drilling on 2/3/2022.
		Black fine-medium SAND, trace brick, trace wood, trace silt, trace gravel (dry)	1					0	1:30 PM - Collect sample 006_LSB-4_0-2 from 0-2' bgs. VOCs collected from 0.5-1' bgs.
			2					0	
			3					0	1:35 PM - Collect sample 007_LSB-4_2-4 from 2-4' bgs. VOCs collected from 2.5-3' bgs.
								0	
								0.3	
		Black clayey fine-medium SAND, trace brick, trace wood, trace silt (dry)	4					7.9	Odor from 4-6' bgs.
								0.4	
		Dark black clayey fine-medium SAND, trace brick, trace silt (dry)	5	M-2	Macrocore	42		0.3	1:40 PM - Collect sample 008_LSB-4_4-6 from 4-6' bgs. VOCs collected from 4.5-5' bgs.
								0.2	
		Dark black clayey fine-medium SAND, trace silt (dry)	6					0	
								0	
			7					0	
								0	
			8					0	1:45 PM - Collect sample 009_LSB-4_8-10 from 8-10' bgs. VOCs collected from 8.5-9' bgs.
								0	
			9					0	
								0	
		Brown silty fine-medium SAND, trace clay (wet) ▽	10					0	
								0	
			11					0	
								0	
		Black silty fine-medium SAND, trace gravel (wet)	12	M-3	Macrocore	48		0	
								0	
			13					0	
								0	
			14					0	
								0	
		Grayish brown silty fine-medium SAND, trace gravel (wet)	15					0.4	
								0.3	
		Gray fine-medium SAND, some gravel, trace silt (wet)	16					0	
								0	
			17					1.2	
				M-4	Macrocore	60		0.3	
			18					0	
								0	
			19					0	
								0	
			20						Bottom of boring at 20' bgs.
			21						
			22						

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Log of Boring **LSB-5/LMW-3** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-5	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/4/22 / Date Finished: 2/4/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- / Undisturbed 4 / Core 0
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 12 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE	0					0	Started Drilling at 2/4/2022.
			1					0	
								0	
								0	
		Brown fine-medium SAND, trace silt, trace gravel, brick lenses (dry)	2	M-1	Macrocore	30		0	Odors from 2-17' bgs.
								0	
			3					0	
								0	
			4					0	1:30 PM - Collect sample 023_LSB-5_4-7 from 4-7' bgs. VOCs collected from 4.5-5' bgs.
								0	
		Dark brown fine-medium SAND, trace brick, trace silt, trace gravel (dry)	5					0	
								0	
		Dark brown to black fine-medium SAND, trace brick, trace silt, trace gravel (dry)	6					0	
								0.3	
			7	M-2	Macrocore	58		1.9	
								4.3	
			8					1.2	
								0.3	
		Dark brown sandy SILT, trace clay (moist)	9					0	
								0	
		Dark brown sandy SILT, some clay (moist)	10					2.3	1:40 PM - Collect sample 024_LSB-5_10-12 from 10-12' bgs. VOCs collected from 10.5-11' bgs.
								2.5	
			11					2.3	
								5.8	
		Brown sandy CLAY, trace silt (wet) ▽	12					7.4	
				M-3	Macrocore	60		0.8	
			13					0.3	
								0.2	
			14					0	
								0.1	
		Dark brown sandy SILT, brick lenses (wet)	15					28.8	1:45 PM - Collect sample 025_LSB-5_15-17 from 15-17' bgs. VOCs collected from 15.5-16' bgs.
								52.7	
			16					17.6	
								13.9	
		Dark brown sandy SILT (wet)	17					9.8	
				M-4	Macrocore	58		4.5	
			18					3.2	
								2.3	
		Dark brown silty fine-medium SAND, trace clay (wet)	19					2.3	
								2.5	
			20						Bottom of boring at 20' bgs.
			21						
			22						

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Log of Boring **LSB-6/LMW-4** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-6	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/4/22 / Date Finished: 2/4/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- / Undisturbed 4 / Core 0
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 10 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE	0					0	Started Drilling at 2/4/2022.
			1					0	
								2.6	
			2					1.9	
		Black silty fine-medium SAND, some wood, trace brick, trace glass (dry)						0.7	
			3	M-1	Macrocore	42		0.7	11:10 AM - Collect sample 019_LSB-6_2-4 from 2-4' bgs. VOCs collected from 2.5-3' bgs.
								0.6	
			4					0.7	Odors from 2-14' bgs.
								2.9	11:15 AM - Collect sample 020_LSB-6_4-6 from 4-6' bgs. VOCs collected from 4.5-5' bgs.
		Dark gray silty fine-medium SAND, some gravel, trace brick (dry)	5					1.8	
		Dark black sandy SILT, trace clay (dry)						2.6	
		Dark brown silty fine-medium SAND, some gravel, trace coal (dry)	6					15.9	
								37.8	
			7	M-2	Macrocore	52		36.7	11:20 AM - Collect sample 021_LSB-6_6-8 from 6-8' bgs. VOCs collected from 6.5-7' bgs.
								45.6	
								53.3	
		Dark brown fine-medium SAND, some gravel, trace coal, trace slag (moist)	8					171	Strong odor at 8' bgs.
								41.6	11:25 AM - Collect sample 022_LSB-6_8-10 from 8-10' bgs. VOCs collected from 8.5-9' bgs.
			9					10.2	
								10.1	
		Dark brown sandy SILT (wet) ▽	10					12.6	
								10.8	
			11					9.7	
								8.3	
			12	M-3	Macrocore	60		5.2	
		Dark brown sandy SILT, some gravel, trace brick (wet)						0.3	
		Dark brown to black sandy SILT, some clay, trace gravel (wet)	13					0.3	
								0.3	
		Dark brown CLAY, some silt, trace gravel (wet)	14					0.3	
								0.3	
		Dark brown CLAY, some silt (wet)	15					0	
								0	
			16					0	
								0	
			17	M-4	Macrocore	54		0	
								0	
			18					0	
								0	
		Dark brown PEAT, trace organics (moist)	19					0	
								0	
			20						Bottom of boring at 20' bgs.
			21						
			22						

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Log of Boring **LSB-7** Sheet 1 of 1

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-7	Elevation and Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/4/22 / Date Finished: 2/4/22
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: --
Size and Type of Bit: 2in Direct Push	Number of Samples: Disturbed -- / Undisturbed 4 / Core 0
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 10 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Jose Garcia
Sampler: 1.75" x 5' Long Acetate Lined Macrocore	Field Engineer: Morgan McBride
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 Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE	0					0	Started Drilling at 2/4/2022.
		Brown fine-medium SAND, trace silt, trace gravel, trace brick (dry)	2	M-1	Macrocore	54		0	2:30 PM - Collect sample 026_LSB-7_2-4 and 029_DUP-1 from 2-4' bgs. VOCs collected from 2.5-3' bgs.
			4					0	2:35 PM - Collect sample 027_LSB-7_4-6 from 4-6' bgs. VOCs collected from 4.5-5' bgs. Odor from 5-20' bgs.
		Brown silty fine-medium SAND, trace brick (dry)	5					0	
		Dark brown silty fine-medium SAND, trace concrete, trace clay, trace gravel (moist)	6	M-2	Macrocore	52		0	2:40 PM - Collect sample 028_LSB-7_6-8 from 6-8' bgs. VOCs collected from 6.5-7' bgs.
		Dark brown silty fine-medium SAND, trace clay, trace gravel (moist)	8					0	
		▽ Dark brown silty fine-medium SAND, trace clay (wet)	10	M-3	Macrocore	48		0	
		Tannish brown SILT (wet)	13					0	
		Grayish black silty fine-medium SAND, trace gravel (wet)	14					0	
			15	M-4	Macrocore	42		0	
			18					0	
			20					0	Bottom of boring at 20' bgs.
			21						
			22						

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-1

Well Permit No. --

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-2	Elevation And Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 2/3/2022 / Date Finished: 2/3/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Jose Garcia
Size And Type of Bit: 2in Direct Push	Inspector: Morgan McBride

Method of Installation

A Geoprobe 7822 DT was used to advance LSB-2 to approximately 20-feet below ground surface. A two-inch Sch. 40 PVC well was installed consisting of approximately 10 feet of No. 10 (0.010-inch) screen packed with No. 2 sand and 10 feet of two-inch Sch. 40 PVC riser. The well was finished with a flush mount manhole cover and concrete pad.

Method of Well Development

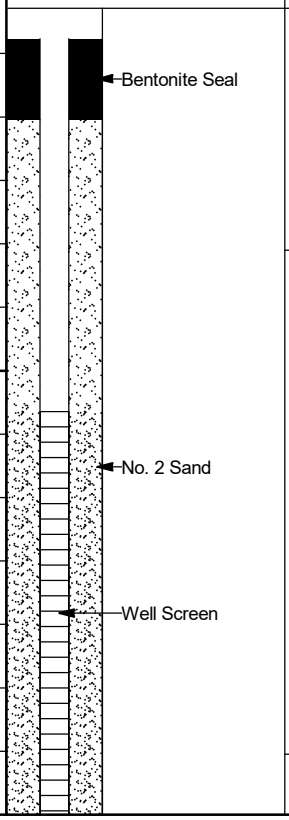
LMW-1 was developed with a whale pump and developed until the water ran free of fines. Approximately 5 gallons were purged.

Type of Casing: --	Diameter: --	Type of Backfill Material: No. 2 Sand	
Type of Screen: Schedule 40	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 2-inch		Type of Filter Material: No. 2 Sand	

	Elevation	Depth
Top of Casing		0.5' bgs
Top of Seal		0.75' bgs
Top of Filter		2.75' bgs
Top of Screen		10' bgs
Bottom of Filter		20' bgs
Bottom of Well		20' bgs
Screen Length: 10.0'		Slot Size: 0.010

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

Elevation	DTW	Date
	9.49'	2/7/2022



Soil / Rock Classification	Depth (ft)
FILL	0.5
	2.75
SAND	
PEAT	20

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-2

Well Permit No. --

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-4	Elevation And Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 2/3/2022 / Date Finished: 2/3/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Jose Garcia
Size And Type of Bit: 2in Direct Push	Inspector: Morgan McBride

Method of Installation

A Geoprobe 7822 DT was used to advance LSB-4 to approximately 20-feet below ground surface. A two-inch Sch. 40 PVC well was installed consisting of approximately 10 feet of No. 10 (0.010-inch) screen packed with No. 2 sand and 10 feet of two-inch Sch. 40 PVC riser. The well was finished with a flush mount manhole cover and concrete pad.

Method of Well Development

LMW-2 was developed with a whale pump and developed until the water ran free of fines. Approximately 5 gallons were purged.

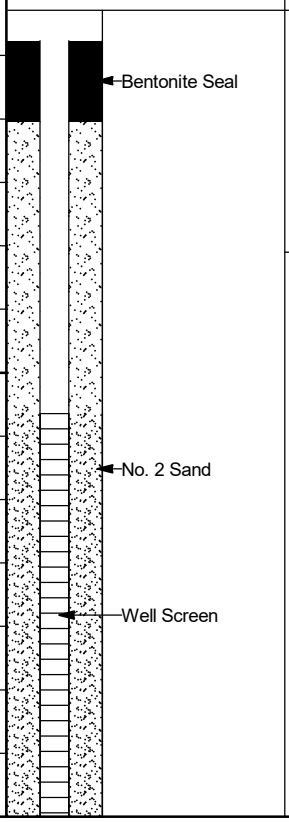
Type of Casing: --	Diameter: --	Type of Backfill Material: No. 2 Sand	
Type of Screen: Schedule 40	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 2-inch		Type of Filter Material: No. 2 Sand	

	Elevation	Depth
Top of Casing		0.5' bgs
Top of Seal		0.75' bgs
Top of Filter		2.75' bgs
Top of Screen		10' bgs
Bottom of Filter		20' bgs
Bottom of Well		20' bgs

Screen Length	Slot Size
10.0'	0.010

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

Elevation	DTW	Date
	9.91'	2/7/2022



Soil / Rock Classification	Depth (ft)
FILL	0.5
	2.75
SAND	
	20

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-3

Well Permit No. --

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-5	Elevation And Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 2/4/2022 / Date Finished: 2/4/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Jose Garcia
Size And Type of Bit: 2in Direct Push	Inspector: Morgan McBride

Method of Installation

A Geoprobe 7822 DT was used to advance LSB-5 to approximately 20-feet below ground surface. A two-inch Sch. 40 PVC well was installed consisting of approximately 10 feet of No. 10 (0.010-inch) screen packed with No. 2 sand and 10 feet of two-inch Sch. 40 PVC riser. The well was finished with a flush mount manhole cover and concrete pad.

Method of Well Development

LMW-3 was developed with a whale pump and developed until the water ran free of fines. Approximately 5 gallons were purged.

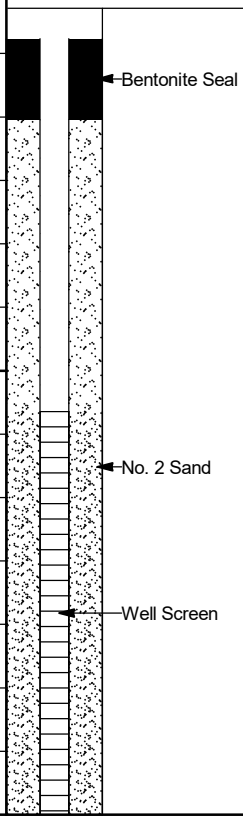
Type of Casing: --	Diameter: --	Type of Backfill Material: No. 2 Sand	
Type of Screen: Schedule 40	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 2-inch		Type of Filter Material: No. 2 Sand	

	Elevation	Depth
Top of Casing		0.5' bgs
Top of Seal		0.75' bgs
Top of Filter		2.75' bgs
Top of Screen		10' bgs
Bottom of Filter		20' bgs
Bottom of Well		20' bgs

Screen Length	Slot Size
10.0'	0.010

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

Elevation	DTW	Date
	10.45'	2/8/2022



Soil / Rock Classification	Depth (ft)
FILL	0.5
	2.75
SILT	
SAND	20

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. LMW-4

Well Permit No. --

Project: 213 Meadow Street	Project No.: 100964202
Location: LSB-6	Elevation And Datum: Approx. el 12 Brooklyn Highway Datum
Drilling Agency: AARCO Environmental Services Corp.	Date Started: 2/4/2022 / Date Finished: 2/4/2022
Drilling Equipment: Geoprobe 7822 DT	Driller: Jose Garcia
Size And Type of Bit: 2in Direct Push	Inspector: Morgan McBride

Method of Installation

A Geoprobe 7822 DT was used to advance LSB-6 to approximately 20-feet below ground surface. A two-inch Sch. 40 PVC well was installed consisting of approximately 10 feet of No. 10 (0.010-inch) screen packed with No. 2 sand and 10 feet of two-inch Sch. 40 PVC riser. The well was finished with a flush mount manhole cover and concrete pad.

Method of Well Development

LMW-4 was developed with a whale pump and developed until the water ran free of fines. Approximately 5 gallons were purged.

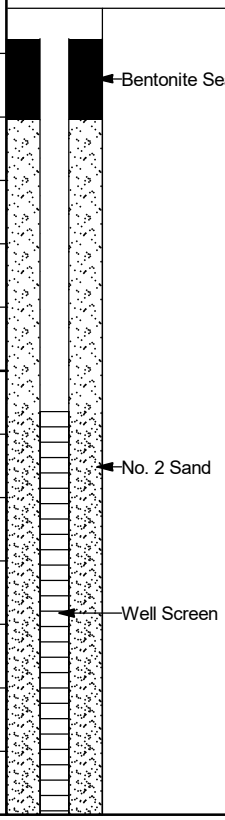
Type of Casing: --	Diameter: --	Type of Backfill Material: No. 2 Sand	
Type of Screen: Schedule 40	Diameter: 2-inch	Type of Seal Material: Bentonite	
Borehole Diameter: 2-inch		Type of Filter Material: No. 2 Sand	

	Elevation	Depth
Top of Casing		0.5' bgs
Top of Seal		0.75' bgs
Top of Filter		2.75' bgs
Top of Screen		10' bgs
Bottom of Filter		20' bgs
Bottom of Well		20' bgs

Screen Length	Slot Size
10.0'	0.010

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

Elevation	DTW	Date
	11.47'	2/8/2022



Soil / Rock Classification	Depth (ft)
FILL	0.5
	2.75
CLAY	
PEAT	20

\\LANGAN.COM\DATA\PAR\DATA2\100964201\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\100964201_ENTERPRISE.GPJ ... 3/11/2022 10:53:43 AM ... Report: Log - LANGAN_WELL_CONSTRUCTION_SUMMARY

ATTACHMENT C

FIELD SAMPLING SHEETS

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	213 Meadow Street	**Site Location:**	New York, NY	**Well No:**	LMW-1	**Date:**	2/7/2022
Job Number:	100964202	**Weather:**	30s, rainy/overcast	**Sampler(s):**	MMcB		
Initial DTW (ft):	9.49	**Well Depth (ft):**	20	**Pump Depth (ft):**	15		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.00	**Screen Interval (ft):**	10-20		
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	BXDT	**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
8:20	---	---	---	---	---	---	9.49	200	---	---	Begin Purging
8:25	13.53	7.02	-34.0	4.130	154.0	1.96	9.43	200	light brown	none	
8:30	14.09	6.99	-63.0	4.130	124.0	1.23	9.40	200	light brown	none	
8:35	14.17	6.95	-77.0	4.140	104.0	1.36	9.39	200	light brown	none	
8:40	14.27	6.93	-87.0	4.150	109.0	1.55	9.40	200	light brown	none	
8:45	14.24	6.92	-92.0	4.100	93.9	1.16	9.36	200	light brown	none	
8:50	14.17	6.91	-101.0	4.200	113.0	0.83	9.36	200	light brown	none	
8:55	14.08	6.90	-107.0	4.200	112.0	0.87	9.37	200	light brown	none	
9:00	14.07	6.91	-109.0	4.200	111.0	0.53	9.39	200	light brown	none	
9:05	14	6.91	-111.0	4.210	104.0	0.67	9.38	200	light brown	none	
9:10	13.94	6.91	-113.0	4.220	104.0	0.78	9.37	200	light brown	none	
9:15	13.62	6.92	-115.0	4.230	100.0	0.79	9.36	200	light brown	none	
9:20	13.46	6.92	-115.0	4.220	96.6	0.72	9.36	200	light brown	none	
9:25	13.39	6.92	-116.0	4.230	96.8	0.70	9.36	200	light brown	none	
9:30	13.34	6.92	-116.0	4.230	97.3	0.77	9.35	200	light brown	none	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:

silty bottom

Sample Number:	032_LMW-1	Sample Time:	9:35	Sample Analyses:	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS
QA/QC Sample Number:	033_DUP-2	QA/QC Sample Time:	10:35	QA/QC Sample Analyses:	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	213 Meadow Street	**Site Location:**	New York, NY	**Well No:**	LMW-2	**Date:**	2/7/2022
Job Number:	100964202	**Weather:**	30s, rainy/overcast	**Sampler(s):**	MMcB		
Initial DTW (ft):	9.91	**Well Depth (ft):**	20	**Pump Depth (ft):**	15		
Background PID (ppm):	0.00	**Well PID (ppm):**	0.00	**Screen Interval (ft):**	10-20		
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	BXDT	**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
12:09	---	---	---	---	---	---	9.91	150	---	---	Begin Purging
12:15	11.67	8.18	-93.0	2.040	79.6	4.51	9.96	150	light brown	none	
12:20	11.92	8.17	-79.0	1.990	58.0	4.41	9.99	150	light brown	none	
12:25	11.79	8.10	-87.0	1.990	39.8	2.93	9.99	150	light brown	none	
12:30	11.42	8.08	-88.0	2.000	49.0	1.93	9.99	150	light brown	none	
12:35	11.22	8.06	-95.0	1.980	38.5	1.62	9.98	150	clear	none	
12:40	11.22	8.06	-95.0	1.980	38.5	1.62	9.98	150	clear	none	
12:45	11.16	8.03	-109.0	1.990	37.4	1.16	10.00	150	clear	none	
12:50	10.56	8.02	-113.0	2.010	36.6	0.55	10.00	150	clear	none	
12:55	10.41	8.00	-115.0	1.990	35.0	0.54	10.02	150	clear	none	
13:00	10.53	8.00	-119.0	1.990	35.1	0.49	10.02	150	clear	none	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:

Sample Number:	034_LMW-2	Sample Time:	13:05	Sample Analyses:	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS
QA/QC Sample Number:	–	QA/QC Sample Time:	–	QA/QC Sample Analyses:	–

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	213 Meadow Street	**Site Location:**	New York, NY	**Well No:**	LMW-3	**Date:**	2/8/2022
Job Number:	100964202	**Weather:**	30s, Sunny	**Sampler(s):**	MMcB		
Initial DTW (ft):	10.45	**Well Depth (ft):**	20	**Pump Depth (ft):**	15.5		
Background PID (ppm):	0.20	**Well PID (ppm):**	1.60	**Screen Interval (ft):**	10-20		
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	NA2A	**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
13:30	---	---	---	---	---	---	10.45	200	---	---	Begin Purging
13:35	12.31	7.32	267.0	1.250	293.0	0.90	10.68	200	light brown	slight odor	
13:40	12.27	7.17	108.0	1.260	264.0	0.32	10.71	200	light brown	slight odor	
13:45	12.23	7.15	26.0	1.270	236.0	0.17	10.74	200	light brown	none	
13:50	12.19	7.15	-34.0	1.270	194.0	0.65	10.79	200	light brown	none	
13:55	12.12	7.15	-56.0	1.270	168.0	0.22	10.75	150	light brown	none	
14:00	12.07	7.15	-65.0	1.270	155.0	0.02	10.78	150	light brown	none	
14:05	12.04	7.15	-71.0	1.270	148.0	0.00	10.78	150	light brown	none	
14:10	12.01	7.15	-76.0	1.280	138.0	0.00	10.80	150	light brown	none	
14:15	11.91	7.20	-86.0	1.270	128.0	0.00	10.79	150	clear	none	
14:20	11.86	7.17	-83.0	1.270	92.3	0.00	10.80	150	clear	none	
14:25	11.77	7.16	-92.0	1.280	87.7	0.00	10.80	150	clear	none	
14:30	11.70	7.16	-94.0	1.280	69.0	0.00	10.81	150	clear	none	
14:40	11.50	7.17	-98.0	1.280	54.0	0.00	10.81	150	clear	none	
14:45	11.47	7.17	-98.0	1.280	52.7	0.00	10.81	150	clear	none	
14:50	11.42	7.18	-98.0	1.280	55.5	0.00	10.82	150	clear	none	
14:55	11.30	7.20	-100.0	1.280	57.9	0.00	10.82	150	clear	none	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:

Sample Number:	041_LMW-3	Sample Time:	15:00	Sample Analyses:	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS
QA/QC Sample Number:	–	QA/QC Sample Time:	–	QA/QC Sample Analyses:	–

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	213 Meadow Street	**Site Location:**	New York, NY	**Well No:**	LMW-4	**Date:**	2/8/2022
Job Number:	100964202	**Weather:**	30s, Sunny	**Sampler(s):**	MMcB		
Initial DTW (ft):	11.47	**Well Depth (ft):**	20	**Pump Depth (ft):**	15.75		
Background PID (ppm):	0.00	**Well PID (ppm):**	4.00	**Screen Interval (ft):**	10-20		
Water Quality Meter:	Horiba U-52	**Water Quality Meter ID:**	NA2A	**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
8:30	---	---	---	---	---	---	11.47	150	---	---	Begin Purging
8:35	15.54	7.96	275.0	0.964	62.8	0.74	11.49	150	light brown	odor	
8:40	15.02	8.11	180.0	0.963	49.8	0.31	11.37	150	light brown	odor	
8:45	14.69	8.12	155.0	0.958	50.8	0.44	11.37	150	light brown	odor	
8:50	14.52	8.05	146.0	0.948	48.8	0.46	11.38	200	light brown	odor	
8:55	14.28	8.13	103.0	0.957	46.2	0.33	11.43	200	light brown	odor	
9:00	14.07	8.12	30.0	0.967	37.9	0.23	11.45	200	light brown	none	
9:05	13.95	8.12	-1.0	0.970	35.2	0.23	11.43	200	light brown	none	
9:10	13.66	7.77	227.0	0.293	81.1	3.47	11.42	200	light brown	none	
9:15	13.56	8.08	-35.0	0.997	74.4	0.32	11.47	200	light brown	none	
9:20	13.46	8.07	-51.0	1.000	58.2	0.15	11.48	200	clear	none	
9:25	13.34	8.05	-97.0	1.010	45.7	0.08	11.49	200	clear	none	
9:30	13.24	8.05	-124.0	1.020	41.2	0.06	11.50	200	clear	none	
9:35	13.14	8.05	-140.0	1.020	32.5	0.01	11.51	200	clear	none	
9:40	13.07	8.03	-147.0	1.020	29.1	0.01	11.52	200	clear	none	
9:45	13.02	8.01	-150.0	1.030	27.7	0.01	11.52	200	clear	none	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:

Sample Number:	040_LMW-4	Sample Time:	9:50	Sample Analyses:	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS
QA/QC Sample Number:	--	QA/QC Sample Time:	--	QA/QC Sample Analyses:	--

LANGAN

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 213 Meadow Street

Samplers: MMcB

Date: 2/8/2022

Sample #	044_LSV-1	045_LSV-2	046_LSV-3	042_LSV-4	043_DUP-3
Location	LSV-1	LSV-2	LSV-3	LSV-4	LSV-4
Summa Canister ID	36459	28317	10042	18302	28857
Flow Controller ID	5708	13568	7423	6879	7362
Sample Depth (b.g.s.)	8	10	8	8	8
Additional Tubing Added	NO/ (YES) - How much 2'	NO/ (YES) - How much 2'	NO/ (YES) - How much 2'	NO/ (YES) - How much 2'	NO/ (YES) - How much 2'
Purge Time (Start)	14:40	12:25	12:50	10:35	10:35
Purge Time (Stop)	14:45	12:30	12:55	10:40	10:40
Total Purge Time (min)	5	5	5	5	5
Purge Volume	1 L	1 L	1 L	1 L	1 L
PID Test of Purge Air	45	271	32	580	580
Initial Tracer Gas Results in sampling line	0%	0%	0%	0%	0%
Initial Tracer Gas Results in shroud	94.5%	97.4%	96.1%	92.6%	92.6%
Pressure Gauge - before sampling	-29	-30	-29	-30	-30
Sample Time (Start)	14:50	12:35	13:00	11:00	11:05
Sample Time (Stop)	16:50	14:50	15:20	13:30	13:30
Total Sample Time (min)	120	135	140	150	145
Pressure Gauge - after sampling	-2	-4	-3	-4	-3
Sample Volume	6 L	6 L	6 L	6 L	6 L
Canister Pressure Went to Ambient Pressure?	YES / (NO)	YES / (NO)	YES / (NO)	YES / (NO)	YES / (NO)
Final Tracer Gas Results in sampling line	--	--	--	--	--
Final Tracer Gas Results in shroud	--	--	--	--	--
Associated Ambient Air Sample Number	--	--	--	--	--
Weather 24 hours before and during sampling	30s, overcast and rain				
General Comments					

LANGAN

ATTACHMENT D

LABORATORY ANALYTICAL DATA PACKAGES

LANGAN

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/25/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0179

Revision No. 1.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 02/25/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0179

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

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 03, 2022 and listed below. The project was identified as your project: **100964201**.

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
22B0179-01	001_LSB-2_2-4	Soil	02/03/2022	02/03/2022
22B0179-03	003_LSB-3_2-4	Soil	02/03/2022	02/03/2022
22B0179-04	004_LSB-3_4-6	Soil	02/03/2022	02/03/2022
22B0179-05	005_LSB-3_8-10	Soil	02/03/2022	02/03/2022
22B0179-08	008_LSB-4_4-6	Soil	02/03/2022	02/03/2022
22B0179-10	010_TB-1	Water	02/03/2022	02/03/2022
22B0179-11	011_EB-1	Water	02/03/2022	02/03/2022

General Notes for York Project (SDG) No.: 22B0179

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:** 02/25/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	**2-Butanone**	**0.0097**		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.035**	CCV-E	mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0066**	J	mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**1.03**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	**3- & 4-Methylphenols**	**0.0730**	J	mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**2.24**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**1.07**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.201	0.402	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**5.52**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**10.3**		mg/kg dry	0.629	1.25	25	EPA 8270D	02/04/2022 13:28	02/10/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**7.76**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**6.54**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**3.94**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**6.45**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0513**	J	mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.955**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**10.4**		mg/kg dry	0.629	1.25	25	EPA 8270D	02/04/2022 13:28	02/10/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1.31**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**24.4**		mg/kg dry	0.629	1.25	25	EPA 8270D	02/04/2022 13:28	02/10/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**3.45**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3.73**		mg/kg dry	0.126	0.251	5	EPA 8270D	02/04/2022 13:28	02/10/2022 11:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.885**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**24.7**		mg/kg dry	0.629	1.25	25	EPA 8270D	02/04/2022 13:28	02/10/2022 10:50	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**22.7**		mg/kg dry	0.629	1.25	25	EPA 8270D	02/04/2022 13:28	02/10/2022 10:50	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*89.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*81.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*70.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*79.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*105 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.4 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM	02/05/2022 08:05	02/08/2022 14:47	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.294	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:29	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.294	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:29	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.294	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:29	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.294	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:29	WL
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.294	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:29	WL
							Certifications:			

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**0.504**		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**0.346**		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:29	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*68.2 %*	*25-150*
Surrogate: M5PFHxA	*76.0 %*	*25-150*
Surrogate: M4PFHpA	*54.8 %*	*25-150*
Surrogate: M3PFHxS	*83.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*91.3 %*	*25-150*
Surrogate: M6PFDA	*81.7 %*	*25-150*
Surrogate: M7PFUdA	*69.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*56.1 %*	*25-150*
Surrogate: M2PFTeDA	*45.4 %*	*10-150*

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*64.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*65.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*45.2 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*104 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*91.3 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*155 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*170 %*			*25-200*					
	Surrogate: M9PFNA	*84.1 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0398	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:46	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.7 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:48	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.5 %*	*30-120*

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0239	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:42	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0239	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:42	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0239	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:42	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*55.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2490**		mg/kg dry	6.12	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	3.06	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**8.39**		mg/kg dry	1.83	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**199**		mg/kg dry	3.06	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.663**		mg/kg dry	0.367	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11200**	B	mg/kg dry	6.12	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.0**		mg/kg dry	0.612	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**3.39**		mg/kg dry	0.489	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**137**		mg/kg dry	2.45	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16300**		mg/kg dry	30.6	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**385**		mg/kg dry	0.612	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1010**		mg/kg dry	6.12	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**145**		mg/kg dry	0.612	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**14.5**		mg/kg dry	1.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**437**		mg/kg dry	6.12	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.06	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**2.05**		mg/kg dry	0.612	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**196**		mg/kg dry	61.2	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.06	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**12.2**		mg/kg dry	1.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**275**		mg/kg dry	3.06	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.17**		mg/kg dry	0.0367	1	EPA 7473	02/08/2022 21:47	02/09/2022 14:04	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.612	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 001_LSB-2_2-4 **York Sample ID:** 22B0179-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 10:35 am	02/03/2022

Chromium, Trivalent

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
16065-83-1	*** Chromium, Trivalent**	**16.0**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:07	LRW
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.612	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	*** % Solids**	**81.7**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	**2-Butanone**	**0.0066**		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.031**	CCV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C	02/08/2022 06:52	02/08/2022 16:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	**2-Methylnaphthalene**	**0.0621**	J	mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.0851**	J	mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0740**	J	mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.199	0.399	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.253**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.199	0.399	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.944**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.952**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.741**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.606**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.730**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0995	0.199	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0644**	J	mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.02**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.207**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.79**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.103**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.520**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.154**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.995**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**1.78**		mg/kg dry	0.0499	0.0995	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.199	0.399	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:23	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*52.3 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*46.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*44.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*53.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*54.2 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM	02/05/2022 08:05	02/08/2022 15:04	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.299	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:41	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.299	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:41	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.299	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:41	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.299	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:41	WL
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.299	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:41	WL
							Certifications:			

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**0.420**		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:41	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*76.5 %*	*25-150*
Surrogate: M5PFHxA	*85.8 %*	*25-150*
Surrogate: M4PFHpA	*74.2 %*	*25-150*
Surrogate: M3PFHxS	*98.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.0 %*	*25-150*
Surrogate: M6PFDA	*89.5 %*	*25-150*
Surrogate: M7PFUdA	*85.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.0 %*	*25-150*
Surrogate: M2PFTeDA	*52.3 %*	*10-150*

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*78.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.8 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*97.7 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*105 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*158 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*139 %*			*25-200*					
	Surrogate: M9PFNA	*95.8 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.196	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0393	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:02	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.9 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:02	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.5 %*	*30-120*

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.0 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0242	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:53	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0242	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:53	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0242	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:53	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*31.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7810**		mg/kg dry	6.07	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.03	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**5.64**		mg/kg dry	1.82	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**466**		mg/kg dry	3.03	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**1.32**		mg/kg dry	0.364	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**15900**	B	mg/kg dry	6.07	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**19.3**		mg/kg dry	0.607	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**7.64**		mg/kg dry	0.485	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**303**		mg/kg dry	2.43	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**26400**		mg/kg dry	30.3	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**531**		mg/kg dry	0.607	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2930**		mg/kg dry	6.07	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**268**		mg/kg dry	0.607	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**17.3**		mg/kg dry	1.21	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1590**		mg/kg dry	6.07	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.03	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.607	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**386**		mg/kg dry	60.7	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.03	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.1**		mg/kg dry	1.21	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**873**		mg/kg dry	3.03	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.868**		mg/kg dry	0.0364	1	EPA 7473	02/08/2022 21:47	02/09/2022 14:12	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.607	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 003_LSB-3_2-4 **York Sample ID:** 22B0179-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:10 pm	02/03/2022

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	19.3		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:07	LRW
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.01		mg/kg dry	0.607	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	* % Solids	82.4		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 004_LSB-3_4-6 **York Sample ID:** 22B0179-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:15 pm	02/03/2022

Semivolatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.130**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.522**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.778**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.676**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.448**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.354**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.538**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.730**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.133**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.66**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.189**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.312**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0525**	J, HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.74**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.84**	HT-01	mg/kg dry	0.0457	0.0912	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*86.4 %*	HT-01	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.2 %*	HT-01	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.2 %*	HT-01	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: 004_LSB-3_4-6 **York Sample ID:** 22B0179-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:15 pm	02/03/2022

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10500**		mg/kg dry	5.63	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**4.04**		mg/kg dry	2.82	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**76.1**		mg/kg dry	2.82	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**5930**		mg/kg dry	5.63	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**20.7**		mg/kg dry	0.563	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**10.9**		mg/kg dry	0.451	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**39.7**		mg/kg dry	2.25	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**23100**		mg/kg dry	28.2	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**88.2**		mg/kg dry	0.563	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**2900**		mg/kg dry	5.63	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**629**		mg/kg dry	0.563	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**20.3**		mg/kg dry	1.13	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1540**	B	mg/kg dry	5.63	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**221**		mg/kg dry	56.3	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**35.3**		mg/kg dry	1.13	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**53.7**		mg/kg dry	2.82	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 004_LSB-3_4-6 **York Sample ID:** 22B0179-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:15 pm	02/03/2022

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.23**		mg/kg dry	0.0338	1	EPA 7473	02/23/2022 19:56	02/24/2022 12:15	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total 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
solids	*** % Solids**	**88.8**		%	0.100	1	SM 2540G	02/22/2022 17:36	02/22/2022 20:01	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 005_LSB-3_8-10 **York Sample ID:** 22B0179-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:20 pm	02/03/2022

Semivolatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	**2-Methylnaphthalene**	**0.113**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.383**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.489**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**5.09**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/21/2022 12:49	02/22/2022 15:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.922**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**3.62**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/21/2022 12:49	02/22/2022 15:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**2.89**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**3.57**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/21/2022 12:49	02/22/2022 15:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**5.43**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/21/2022 12:49	02/22/2022 15:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.823**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**8.77**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/21/2022 12:49	02/22/2022 15:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.323**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2.26**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.382**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.40**	HT-01	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/21/2022 12:49	02/22/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**8.10**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/21/2022 12:49	02/22/2022 15:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.0 %*	HT-01	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*80.0 %*	HT-01	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*97.8 %*	HT-01	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: 005_LSB-3_8-10 **York Sample ID:** 22B0179-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:20 pm	02/03/2022

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6270**		mg/kg dry	5.81	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**2.64**		mg/kg dry	1.74	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**88.8**		mg/kg dry	2.90	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**2780**		mg/kg dry	5.81	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**16.0**		mg/kg dry	0.581	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**6.92**		mg/kg dry	0.464	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**39.9**		mg/kg dry	2.32	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**14900**		mg/kg dry	29.0	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**114**		mg/kg dry	0.581	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**1430**		mg/kg dry	5.81	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**294**		mg/kg dry	0.581	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**15.6**		mg/kg dry	1.16	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**993**	B	mg/kg dry	5.81	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.581	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**206**		mg/kg dry	58.1	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**28.6**		mg/kg dry	1.16	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**56.5**		mg/kg dry	2.90	1	EPA 6010D	02/23/2022 15:24	02/24/2022 16:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 005_LSB-3_8-10 **York Sample ID:** 22B0179-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 12:20 pm	02/03/2022

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.632**		mg/kg dry	0.0348	1	EPA 7473	02/23/2022 19:56	02/24/2022 13:12	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total 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
solids	*** % Solids**	**86.1**		%	0.100	1	SM 2540G	02/22/2022 17:36	02/22/2022 20:01	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	**2-Butanone**	**0.0028**	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.017**	CCV-E	mg/kg dry	0.0054	0.011	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.033**		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0056**	J	mg/kg dry	0.0054	0.011	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/08/2022 06:52	02/08/2022 17:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.771**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0539**	J	mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.214	0.429	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**2.67**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.214	0.429	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**3.97**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**3.01**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.68**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.93**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**2.65**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.750**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**4.24**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.741**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**3.55**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.772**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	**Di-n-octyl phthalate**	**0.0941**	J	mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**9.98**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.810**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.84**		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0650**	J	mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**6.20**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**7.73**		mg/kg dry	0.268	0.535	10	EPA 8270D	02/04/2022 13:28	02/10/2022 11:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.214	0.429	2	EPA 8270D	02/04/2022 13:28	02/09/2022 17:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*61.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*56.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*54.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*81.6 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM	02/05/2022 08:05	02/08/2022 15:21	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.296	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:54	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.296	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:54	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.296	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:54	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.296	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:54	WL
							Certifications:			
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**0.518**		ug/kg dry	0.296	1	EPA 537m	02/04/2022 16:01	02/08/2022 18:54	WL
							Certifications:			

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**10.7**		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**0.392**		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
2355-31-9	* **N-MeFOSAA**	**1.08**		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
2991-50-6	* **N-EtFOSAA**	**2.63**		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
335-77-3	* **Perfluoro-1-decanesulfonic acid (PFDS)**	**0.323**		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:54	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*74.2 %*	*25-150*
Surrogate: M5PFHxA	*80.2 %*	*25-150*
Surrogate: M4PFHpA	*58.6 %*	*25-150*
Surrogate: M3PFHxS	*80.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.6 %*	*25-150*
Surrogate: M6PFDA	*87.9 %*	*25-150*
Surrogate: M7PFUdA	*70.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*54.3 %*	*25-150*
Surrogate: M2PFTeDA	*42.6 %*	*10-150*

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*68.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*71.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*47.2 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*94.6 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*96.6 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*193 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*165 %*			*25-200*					
	Surrogate: M9PFNA	*99.3 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.210	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0419	5	EPA 8081B	02/07/2022 08:21	02/09/2022 17:19	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.1 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	**Aroclor 1254**	**0.0754**	PCB-I	mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.0754**		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:16	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.5 %*	*30-120*

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.5 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0253	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:04	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0253	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:04	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0253	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:04	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*76.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9610**		mg/kg dry	6.44	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	3.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.77**		mg/kg dry	1.93	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**184**		mg/kg dry	3.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.869**		mg/kg dry	0.386	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**50100**	B	mg/kg dry	6.44	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**39.1**		mg/kg dry	0.644	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.78**		mg/kg dry	0.515	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**253**		mg/kg dry	2.58	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18100**		mg/kg dry	32.2	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**172**		mg/kg dry	0.644	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6010**		mg/kg dry	6.44	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**350**		mg/kg dry	0.644	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**19.4**		mg/kg dry	1.29	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1510**		mg/kg dry	6.44	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**347**		mg/kg dry	64.4	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.6**		mg/kg dry	1.29	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**257**		mg/kg dry	3.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0948**		mg/kg dry	0.0386	1	EPA 7473	02/08/2022 21:47	02/09/2022 14:21	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.644	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 008_LSB-4_4-6 **York Sample ID:** 22B0179-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Soil	February 3, 2022 1:40 pm	02/03/2022

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	39.1		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:07	LRW
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.719		mg/kg dry	0.644	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	* % Solids	77.6		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 010_TB-1 **York Sample ID:** 22B0179-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Water	February 3, 2022 3:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 010_TB-1 **York Sample ID:** 22B0179-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Water	February 3, 2022 3:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 010_TB-1 **York Sample ID:** 22B0179-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Water	February 3, 2022 3:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**1.67**		ug/L	1.00	2.00	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 010_TB-1 **York Sample ID:** 22B0179-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Water	February 3, 2022 3:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/04/2022 06:26	02/04/2022 17:51	JTG
								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*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: 011_EB-1 **York Sample ID:** 22B0179-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Water	February 3, 2022 3:50 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL

Sample Information

Client Sample ID: 011_EB-1 **York Sample ID:** 22B0179-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0179	100964201	Water	February 3, 2022 3:50 pm	02/03/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.926	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*92.6 %*	*25-150*
Surrogate: M5PFHxA	*98.0 %*	*25-150*
Surrogate: M4PFHpA	*98.4 %*	*25-150*
Surrogate: M3PFHxS	*94.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.5 %*	*25-150*
Surrogate: M6PFDA	*109 %*	*25-150*
Surrogate: M7PFUdA	*90.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.4 %*	*25-150*
Surrogate: M2PFTeDA	*52.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*95.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*95.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*22.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*73.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*66.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*82.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*132 %*	*25-200*
Surrogate: M9PFNA	*109 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21398 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/04/22
22B0179-03	003_LSB-3_2-4	02/04/22
22B0179-08	008_LSB-4_4-6	02/04/22
BB21398-BLK1	Blank	02/04/22
BB21398-DUP1	Duplicate	02/04/22
BB21398-MS1	Matrix Spike	02/04/22
BB21398-SRM1	Reference	02/04/22

Batch ID: BB21404 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/04/22
22B0179-03	003_LSB-3_2-4	02/04/22
22B0179-08	008_LSB-4_4-6	02/04/22
BB21404-BLK1	Blank	02/04/22
BB21404-DUP1	Duplicate	02/04/22
BB21404-MS1	Matrix Spike	02/04/22
BB21404-SRM1	Reference	02/04/22

Batch ID: BB21417 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/04/22
22B0179-03	003_LSB-3_2-4	02/04/22
22B0179-08	008_LSB-4_4-6	02/04/22
BB21417-DUP1	Duplicate	02/04/22

Batch ID: BB21428 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/04/22
22B0179-01RE1	001_LSB-2_2-4	02/04/22
22B0179-01RE2	001_LSB-2_2-4	02/04/22
22B0179-03	003_LSB-3_2-4	02/04/22
22B0179-08	008_LSB-4_4-6	02/04/22
22B0179-08RE1	008_LSB-4_4-6	02/04/22
BB21428-BLK1	Blank	02/04/22
BB21428-BS1	LCS	02/04/22
BB21428-MS1	Matrix Spike	02/04/22
BB21428-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21444 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/04/22
22B0179-03	003_LSB-3_2-4	02/04/22
22B0179-08	008_LSB-4_4-6	02/04/22
BB21444-BLK1	Blank	02/04/22
BB21444-BS1	LCS	02/04/22
BB21444-MS1	Matrix Spike	02/04/22
BB21444-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21456 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/07/22
22B0179-03	003_LSB-3_2-4	02/07/22
22B0179-08	008_LSB-4_4-6	02/07/22
BB21456-BLK1	Blank	02/07/22
BB21456-BS1	LCS	02/07/22
BB21456-MS1	Matrix Spike	02/07/22
BB21456-MSD1	Matrix Spike Dup	02/07/22

Batch ID: BB21457 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/05/22
22B0179-03	003_LSB-3_2-4	02/05/22
22B0179-08	008_LSB-4_4-6	02/05/22
BB21457-BLK1	Blank	02/05/22
BB21457-BS1	LCS	02/05/22
BB21457-MS1	Matrix Spike	02/05/22
BB21457-MS2	Matrix Spike	02/05/22
BB21457-MSD1	Matrix Spike Dup	02/05/22
BB21457-MSD2	Matrix Spike Dup	02/05/22

Batch ID: BB21469 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/07/22
22B0179-01	001_LSB-2_2-4	02/07/22
22B0179-03	003_LSB-3_2-4	02/07/22
22B0179-03	003_LSB-3_2-4	02/07/22
22B0179-08	008_LSB-4_4-6	02/07/22
22B0179-08	008_LSB-4_4-6	02/07/22
BB21469-BLK1	Blank	02/07/22
BB21469-BLK2	Blank	02/07/22
BB21469-BS1	LCS	02/07/22
BB21469-BS2	LCS	02/07/22
BB21469-MS1	Matrix Spike	02/07/22
BB21469-MS2	Matrix Spike	02/07/22
BB21469-MSD1	Matrix Spike Dup	02/07/22

BB21469-MSD2	Matrix Spike Dup	02/07/22

Batch ID: BB21486 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-11	011_EB-1	02/07/22
BB21486-BLK1	Blank	02/07/22
BB21486-BS1	LCS	02/07/22
BB21486-BSD1	LCS Dup	02/07/22

Batch ID: BB21504 **Preparation Method:** EPA 5030B **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-10	010_TB-1	02/04/22
BB21504-BLK1	Blank	02/04/22
BB21504-BS1	LCS	02/04/22
BB21504-BSD1	LCS Dup	02/04/22

Batch ID: BB21541 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/07/22
22B0179-03	003_LSB-3_2-4	02/07/22
22B0179-08	008_LSB-4_4-6	02/07/22
BB21541-BLK1	Blank	02/07/22
BB21541-DUP1	Duplicate	02/07/22
BB21541-MS1	Matrix Spike	02/07/22
BB21541-PS1	Post Spike	02/07/22
BB21541-SRM1	Reference	02/07/22

Batch ID: BB21592 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/08/22
22B0179-03	003_LSB-3_2-4	02/08/22
22B0179-08	008_LSB-4_4-6	02/08/22
BB21592-BLK1	Blank	02/08/22
BB21592-BS1	LCS	02/08/22
BB21592-BSD1	LCS Dup	02/08/22

Batch ID: BB21623 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/08/22
22B0179-03	003_LSB-3_2-4	02/08/22
22B0179-08	008_LSB-4_4-6	02/08/22
BB21623-BLK1	Blank	02/08/22
BB21623-DUP1	Duplicate	02/08/22

BB21623-MS1	Matrix Spike	02/08/22
BB21623-SRM1	Reference	02/08/22

Batch ID: BB21753 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-01	001_LSB-2_2-4	02/10/22
22B0179-03	003_LSB-3_2-4	02/10/22
22B0179-08	008_LSB-4_4-6	02/10/22

Batch ID: BB22288 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-04	004_LSB-3_4-6	02/21/22
22B0179-05	005_LSB-3_8-10	02/21/22
22B0179-05RE1	005_LSB-3_8-10	02/21/22
BB22288-BLK1	Blank	02/21/22
BB22288-BS1	LCS	02/21/22
BB22288-MS1	Matrix Spike	02/21/22
BB22288-MSD1	Matrix Spike Dup	02/21/22

Batch ID: BB22423 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-04	004_LSB-3_4-6	02/22/22
22B0179-05	005_LSB-3_8-10	02/22/22
BB22423-DUP1	Duplicate	02/22/22

Batch ID: BB22490 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-04	004_LSB-3_4-6	02/23/22
22B0179-05	005_LSB-3_8-10	02/23/22
BB22490-BLK1	Blank	02/23/22
BB22490-DUP1	Duplicate	02/23/22
BB22490-MS1	Matrix Spike	02/23/22
BB22490-PS1	Post Spike	02/23/22
BB22490-SRM1	Reference	02/23/22

Batch ID: BB22514 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0179-04	004_LSB-3_4-6	02/23/22
22B0179-05	005_LSB-3_8-10	02/23/22
BB22514-BLK1	Blank	02/23/22
BB22514-DUP1	Duplicate	02/23/22
BB22514-MS1	Matrix Spike	02/23/22
BB22514-SRM1	Reference	02/23/22

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 BB21504 - EPA 5030B											
Blank (BB21504-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								

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 BB21504 - EPA 5030B											
Blank (BB21504-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*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 BB21504 - EPA 5030B											
LCS (BB21504-BS1) LCS							Prepared & Analyzed: 02/04/2022				
1,1,1,2-Tetrachloroethane	9.12		ug/L	10.0		91.2	82-126				
1,1,1-Trichloroethane	9.28		"	10.0		92.8	78-136				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	9.01		"	10.0		90.1	82-123				
1,1-Dichloroethane	9.73		"	10.0		97.3	82-129				
1,1-Dichloroethylene	11.0		"	10.0		110	68-138				
1,1-Dichloropropylene	9.30		"	10.0		93.0	83-133				
1,2,3-Trichlorobenzene	7.58		"	10.0		75.8	76-136	Low Bias			
1,2,3-Trichloropropane	9.54		"	10.0		95.4	77-128				
1,2,4-Trichlorobenzene	7.92		"	10.0		79.2	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	45-147				
1,2-Dibromoethane	9.17		"	10.0		91.7	83-124				
1,2-Dichlorobenzene	9.76		"	10.0		97.6	79-123				
1,2-Dichloroethane	9.68		"	10.0		96.8	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.17		"	10.0		91.7	86-122				
1,3-Dichloropropane	9.41		"	10.0		94.1	81-125				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124				
1,4-Dioxane	227		"	210		108	10-349				
2,2-Dichloropropane	9.04		"	10.0		90.4	56-150				
2-Butanone	9.56		"	10.0		95.6	49-152				
2-Chlorotoluene	10.4		"	10.0		104	79-130				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145				
Acetone	9.86		"	10.0		98.6	14-150				
Acrolein	5.28		"	10.0		52.8	10-153				
Acrylonitrile	11.4		"	10.0		114	51-150				
Benzene	9.78		"	10.0		97.8	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	10.0		"	10.0		100	77-128				
Bromodichloromethane	9.41		"	10.0		94.1	79-128				
Bromoform	8.20		"	10.0		82.0	78-133				
Bromomethane	5.07		"	10.0		50.7	43-168				
Carbon disulfide	10.6		"	10.0		106	68-146				
Carbon tetrachloride	9.42		"	10.0		94.2	77-141				
Chlorobenzene	9.94		"	10.0		99.4	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	9.53		"	10.0		95.3	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	83-129				
cis-1,3-Dichloropropylene	9.43		"	10.0		94.3	80-131				
Cyclohexane	7.98		"	10.0		79.8	63-149				
Dibromochloromethane	8.57		"	10.0		85.7	80-130				
Dibromomethane	9.32		"	10.0		93.2	72-134				
Dichlorodifluoromethane	16.2		"	10.0		162	44-144	High Bias			
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	10.0		"	10.0		100	67-146				

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 BB21504 - EPA 5030B											
LCS (BB21504-BS1) LCS								Prepared & Analyzed: 02/04/2022			
Isopropylbenzene	10.9		ug/L	10.0		109	76-140				
Methyl acetate	8.95		"	10.0		89.5	51-139				
Methyl tert-butyl ether (MTBE)	9.15		"	10.0		91.5	76-135				
Methylcyclohexane	10.6		"	10.0		106	72-143				
Methylene chloride	9.73		"	10.0		97.3	55-137				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	11.1		"	10.0		111	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	18.1		"	20.0		90.4	77-133				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	9.99		"	10.0		99.9	67-132				
tert-Butyl alcohol (TBA)	41.0		"	50.0		82.1	25-162				
tert-Butylbenzene	8.28		"	10.0		82.8	77-138				
Tetrachloroethylene	8.67		"	10.0		86.7	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	78-131				
Trichloroethylene	9.50		"	10.0		95.0	82-128				
Trichlorofluoromethane	11.4		"	10.0		114	67-139				
Vinyl acetate	11.9		"	10.0		119	21-90	High Bias			
Vinyl Chloride	13.6		"	10.0		136	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				
LCS Dup (BB21504-BSD1) LCS Dup								Prepared & Analyzed: 02/04/2022			
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82-126		3.45	30	
1,1,1-Trichloroethane	9.76		"	10.0		97.6	78-136		5.04	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129		2.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		3.13	30	
1,1,2-Trichloroethane	9.62		"	10.0		96.2	82-123		6.55	30	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		5.40	30	
1,1-Dichloroethylene	11.3		"	10.0		113	68-138		2.88	30	
1,1-Dichloropropylene	9.80		"	10.0		98.0	83-133		5.24	30	
1,2,3-Trichlorobenzene	8.21		"	10.0		82.1	76-136		7.98	30	
1,2,3-Trichloropropane	9.80		"	10.0		98.0	77-128		2.69	30	
1,2,4-Trichlorobenzene	8.31		"	10.0		83.1	76-137		4.81	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		0.197	30	
1,2-Dibromo-3-chloropropane	9.59		"	10.0		95.9	45-147		13.5	30	
1,2-Dibromoethane	9.72		"	10.0		97.2	83-124		5.82	30	
1,2-Dichlorobenzene	9.90		"	10.0		99.0	79-123		1.42	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		4.54	30	
1,2-Dichloropropane	11.2		"	10.0		112	78-126		4.77	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		0.292	30	
1,3-Dichlorobenzene	9.17		"	10.0		91.7	86-122		0.00	30	
1,3-Dichloropropane	9.98		"	10.0		99.8	81-125		5.88	30	
1,4-Dichlorobenzene	9.47		"	10.0		94.7	85-124		0.848	30	
1,4-Dioxane	232		"	210		110	10-349		2.03	30	
2,2-Dichloropropane	9.28		"	10.0		92.8	56-150		2.62	30	
2-Butanone	10.3		"	10.0		103	49-152		7.06	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 BB21504 - EPA 5030B											
LCS Dup (BB21504-BSD1) LCS Dup								Prepared & Analyzed: 02/04/2022			
2-Chlorotoluene	10.4		ug/L	10.0		104	79-130		0.193	30	
2-Hexanone	11.0		"	10.0		110	51-146		8.08	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		0.0955	30	
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145		8.86	30	
Acetone	10.9		"	10.0		109	14-150		10.2	30	
Acrolein	5.91		"	10.0		59.1	10-153		11.3	30	
Acrylonitrile	12.4		"	10.0		124	51-150		7.89	30	
Benzene	10.2		"	10.0		102	85-126		4.69	30	
Bromobenzene	10.2		"	10.0		102	78-129		0.0977	30	
Bromochloromethane	10.4		"	10.0		104	77-128		3.13	30	
Bromodichloromethane	9.82		"	10.0		98.2	79-128		4.26	30	
Bromoform	8.71		"	10.0		87.1	78-133		6.03	30	
Bromomethane	4.90		"	10.0		49.0	43-168		3.41	30	
Carbon disulfide	10.8		"	10.0		108	68-146		2.06	30	
Carbon tetrachloride	9.85		"	10.0		98.5	77-141		4.46	30	
Chlorobenzene	10.3		"	10.0		103	88-120		3.85	30	
Chloroethane	11.0		"	10.0		110	65-136		0.0910	30	
Chloroform	9.91		"	10.0		99.1	82-128		3.91	30	
Chloromethane	9.62		"	10.0		96.2	43-155		6.24	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		4.01	30	
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	80-131		4.15	30	
Cyclohexane	8.42		"	10.0		84.2	63-149		5.37	30	
Dibromochloromethane	9.09		"	10.0		90.9	80-130		5.89	30	
Dibromomethane	9.77		"	10.0		97.7	72-134		4.71	30	
Dichlorodifluoromethane	15.4		"	10.0		154	44-144	High Bias	5.06	30	
Ethyl Benzene	11.1		"	10.0		111	80-131		4.62	30	
Hexachlorobutadiene	11.0		"	10.0		110	67-146		8.77	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		0.0921	30	
Methyl acetate	9.48		"	10.0		94.8	51-139		5.75	30	
Methyl tert-butyl ether (MTBE)	9.63		"	10.0		96.3	76-135		5.11	30	
Methylcyclohexane	11.3		"	10.0		113	72-143		6.21	30	
Methylene chloride	9.93		"	10.0		99.3	55-137		2.03	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		3.56	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		0.0904	30	
o-Xylene	10.8		"	10.0		108	78-130		3.68	30	
p- & m- Xylenes	18.9		"	20.0		94.4	77-133		4.33	30	
p-Isopropyltoluene	10.3		"	10.0		103	81-136		0.683	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		0.660	30	
Styrene	10.4		"	10.0		104	67-132		3.64	30	
tert-Butyl alcohol (TBA)	44.8		"	50.0		89.7	25-162		8.87	30	
tert-Butylbenzene	8.27		"	10.0		82.7	77-138		0.121	30	
Tetrachloroethylene	9.12		"	10.0		91.2	82-131		5.06	30	
Toluene	10.6		"	10.0		106	80-127		4.65	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		4.55	30	
trans-1,3-Dichloropropylene	9.73		"	10.0		97.3	78-131		5.60	30	
Trichloroethylene	9.99		"	10.0		99.9	82-128		5.03	30	
Trichlorofluoromethane	11.4		"	10.0		114	67-139		0.438	30	
Vinyl acetate	12.5		"	10.0		125	21-90	High Bias	4.43	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		5.21	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				

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 BB21504 - EPA 5030B											
LCS Dup (BB21504-BSD1) LCS Dup									Prepared & Analyzed: 02/04/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*ug/L*	*10.0*		*103*	*79-122*				
Batch BB21592 - EPA 5035A											
Blank (BB21592-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								

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 BB21592 - EPA 5035A											
Blank (BB21592-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.9*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				

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 BB21592 - EPA 5035A											
LCS (BB21592-BS1) LCS							Prepared & Analyzed: 02/08/2022				
1,1,1,2-Tetrachloroethane	44.0		ug/L	50.0		87.9	75-129				
1,1,1-Trichloroethane	46.8		"	50.0		93.6	71-137				
1,1,2,2-Tetrachloroethane	42.6		"	50.0		85.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.0		"	50.0		98.1	58-146				
1,1,2-Trichloroethane	43.5		"	50.0		87.0	83-123				
1,1-Dichloroethane	47.5		"	50.0		95.0	75-130				
1,1-Dichloroethylene	49.3		"	50.0		98.6	64-137				
1,1-Dichloropropylene	45.9		"	50.0		91.8	77-127				
1,2,3-Trichlorobenzene	40.3		"	50.0		80.6	81-140	Low Bias			
1,2,3-Trichloropropane	40.9		"	50.0		81.9	81-126				
1,2,4-Trichlorobenzene	41.2		"	50.0		82.4	80-141				
1,2,4-Trimethylbenzene	42.9		"	50.0		85.8	84-125				
1,2-Dibromo-3-chloropropane	43.2		"	50.0		86.5	74-142				
1,2-Dibromoethane	43.0		"	50.0		86.0	86-123				
1,2-Dichlorobenzene	44.7		"	50.0		89.3	85-122				
1,2-Dichloroethane	49.5		"	50.0		99.0	71-133				
1,2-Dichloropropane	47.2		"	50.0		94.5	81-122				
1,3,5-Trimethylbenzene	44.1		"	50.0		88.2	82-126				
1,3-Dichlorobenzene	41.2		"	50.0		82.4	84-124	Low Bias			
1,3-Dichloropropane	43.0		"	50.0		86.1	83-123				
1,4-Dichlorobenzene	42.1		"	50.0		84.3	84-124				
1,4-Dioxane	1090		"	1050		104	10-228				
2,2-Dichloropropane	45.5		"	50.0		91.0	67-136				
2-Butanone	44.4		"	50.0		88.7	58-147				
2-Chlorotoluene	48.0		"	50.0		96.0	78-127				
2-Hexanone	47.8		"	50.0		95.7	70-139				
4-Chlorotoluene	45.2		"	50.0		90.4	79-125				
4-Methyl-2-pentanone	37.1		"	50.0		74.2	72-132				
Acetone	39.8		"	50.0		79.6	36-155				
Acrolein	33.0		"	50.0		65.9	10-238				
Acrylonitrile	46.7		"	50.0		93.4	66-141				
Benzene	47.4		"	50.0		94.8	77-127				
Bromobenzene	46.6		"	50.0		93.3	77-129				
Bromochloromethane	50.6		"	50.0		101	74-129				
Bromodichloromethane	45.7		"	50.0		91.4	81-124				
Bromoform	46.8		"	50.0		93.6	80-136				
Bromomethane	77.3		"	50.0		155	32-177				
Carbon disulfide	49.6		"	50.0		99.3	10-136				
Carbon tetrachloride	49.9		"	50.0		99.9	66-143				
Chlorobenzene	47.5		"	50.0		95.0	86-120				
Chloroethane	78.5		"	50.0		157	51-142	High Bias			
Chloroform	47.7		"	50.0		95.3	76-131				
Chloromethane	51.4		"	50.0		103	49-132				
cis-1,2-Dichloroethylene	47.2		"	50.0		94.5	74-132				
cis-1,3-Dichloropropylene	45.6		"	50.0		91.2	81-129				
Cyclohexane	49.2		"	50.0		98.4	70-130				
Dibromochloromethane	44.9		"	50.0		89.7	10-200				
Dibromomethane	44.8		"	50.0		89.6	83-124				
Dichlorodifluoromethane	37.9		"	50.0		75.7	28-158				
Ethyl Benzene	46.6		"	50.0		93.2	84-125				
Hexachlorobutadiene	41.3		"	50.0		82.7	83-133	Low Bias			

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 BB21592 - EPA 5035A											
LCS (BB21592-BS1) LCS								Prepared & Analyzed: 02/08/2022			
Isopropylbenzene	44.4		ug/L	50.0		88.7	81-127				
Methyl acetate	45.7		"	50.0		91.3	41-143				
Methyl tert-butyl ether (MTBE)	44.8		"	50.0		89.6	74-131				
Methylcyclohexane	46.6		"	50.0		93.2	70-130				
Methylene chloride	50.6		"	50.0		101	57-141				
n-Butylbenzene	47.3		"	50.0		94.5	80-130				
n-Propylbenzene	48.7		"	50.0		97.4	74-136				
o-Xylene	47.9		"	50.0		95.7	83-123				
p- & m- Xylenes	98.2		"	100		98.2	82-128				
p-Isopropyltoluene	43.7		"	50.0		87.5	85-125				
sec-Butylbenzene	43.0		"	50.0		86.0	83-125				
Styrene	46.1		"	50.0		92.1	86-126				
tert-Butyl alcohol (TBA)	238		"	250		95.1	70-130				
tert-Butylbenzene	36.9		"	50.0		73.8	80-127	Low Bias			
Tetrachloroethylene	41.7		"	50.0		83.4	80-129				
Toluene	45.7		"	50.0		91.4	85-121				
trans-1,2-Dichloroethylene	49.4		"	50.0		98.9	72-132				
trans-1,3-Dichloropropylene	44.1		"	50.0		88.2	78-132				
Trichloroethylene	43.7		"	50.0		87.4	84-123				
Trichlorofluoromethane	73.5		"	50.0		147	62-140	High Bias			
Vinyl acetate	53.6		"	50.0		107	67-136				
Vinyl Chloride	54.1		"	50.0		108	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.4*		*"*	*50.0*		*98.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.4*		*"*	*50.0*		*92.8*	*76-130*				
LCS Dup (BB21592-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2022			
1,1,1,2-Tetrachloroethane	43.3		ug/L	50.0		86.7	75-129		1.42	30	
1,1,1-Trichloroethane	47.8		"	50.0		95.7	71-137		2.18	30	
1,1,2,2-Tetrachloroethane	42.4		"	50.0		84.7	79-129		0.471	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.0		"	50.0		96.1	58-146		2.06	30	
1,1,2-Trichloroethane	42.9		"	50.0		85.8	83-123		1.44	30	
1,1-Dichloroethane	47.8		"	50.0		95.7	75-130		0.692	30	
1,1-Dichloroethylene	49.2		"	50.0		98.4	64-137		0.223	30	
1,1-Dichloropropylene	47.2		"	50.0		94.3	77-127		2.77	30	
1,2,3-Trichlorobenzene	39.9		"	50.0		79.7	81-140	Low Bias	1.12	30	
1,2,3-Trichloropropane	40.8		"	50.0		81.5	81-126		0.465	30	
1,2,4-Trichlorobenzene	40.3		"	50.0		80.6	80-141		2.13	30	
1,2,4-Trimethylbenzene	42.7		"	50.0		85.3	84-125		0.491	30	
1,2-Dibromo-3-chloropropane	41.4		"	50.0		82.8	74-142		4.37	30	
1,2-Dibromoethane	43.0		"	50.0		86.1	86-123		0.0930	30	
1,2-Dichlorobenzene	44.6		"	50.0		89.3	85-122		0.0896	30	
1,2-Dichloroethane	48.8		"	50.0		97.5	71-133		1.55	30	
1,2-Dichloropropane	45.9		"	50.0		91.7	81-122		2.94	30	
1,3,5-Trimethylbenzene	43.5		"	50.0		87.1	82-126		1.30	30	
1,3-Dichlorobenzene	40.8		"	50.0		81.6	84-124	Low Bias	1.05	30	
1,3-Dichloropropane	43.0		"	50.0		86.0	83-123		0.163	30	
1,4-Dichlorobenzene	41.3		"	50.0		82.7	84-124	Low Bias	1.92	30	
1,4-Dioxane	1070		"	1050		101	10-228		2.25	30	
2,2-Dichloropropane	46.5		"	50.0		92.9	67-136		2.07	30	
2-Butanone	42.4		"	50.0		84.9	58-147		4.42	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 BB21592 - EPA 5035A											
LCS Dup (BB21592-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2022			
2-Chlorotoluene	46.6		ug/L	50.0		93.1	78-127		3.05	30	
2-Hexanone	46.2		"	50.0		92.4	70-139		3.49	30	
4-Chlorotoluene	44.6		"	50.0		89.3	79-125		1.25	30	
4-Methyl-2-pentanone	36.0		"	50.0		72.0	72-132		2.95	30	
Acetone	39.0		"	50.0		78.0	36-155		2.00	30	
Acrolein	31.3		"	50.0		62.5	10-238		5.26	30	
Acrylonitrile	47.4		"	50.0		94.9	66-141		1.55	30	
Benzene	47.6		"	50.0		95.2	77-127		0.484	30	
Bromobenzene	45.5		"	50.0		91.0	77-129		2.50	30	
Bromochloromethane	51.2		"	50.0		102	74-129		1.06	30	
Bromodichloromethane	45.7		"	50.0		91.5	81-124		0.0437	30	
Bromoform	46.2		"	50.0		92.4	80-136		1.27	30	
Bromomethane	76.5		"	50.0		153	32-177		1.05	30	
Carbon disulfide	50.1		"	50.0		100	10-136		0.943	30	
Carbon tetrachloride	49.9		"	50.0		99.9	66-143		0.0200	30	
Chlorobenzene	47.2		"	50.0		94.3	86-120		0.739	30	
Chloroethane	78.2		"	50.0		156	51-142	High Bias	0.345	30	
Chloroform	47.9		"	50.0		95.9	76-131		0.565	30	
Chloromethane	52.2		"	50.0		104	49-132		1.47	30	
cis-1,2-Dichloroethylene	48.1		"	50.0		96.3	74-132		1.89	30	
cis-1,3-Dichloropropylene	45.5		"	50.0		90.9	81-129		0.285	30	
Cyclohexane	50.2		"	50.0		100	70-130		2.01	30	
Dibromochloromethane	44.0		"	50.0		88.1	10-200		1.87	30	
Dibromomethane	44.1		"	50.0		88.2	83-124		1.60	30	
Dichlorodifluoromethane	38.4		"	50.0		76.8	28-158		1.42	30	
Ethyl Benzene	46.2		"	50.0		92.4	84-125		0.927	30	
Hexachlorobutadiene	41.2		"	50.0		82.4	83-133	Low Bias	0.364	30	
Isopropylbenzene	43.2		"	50.0		86.5	81-127		2.51	30	
Methyl acetate	48.0		"	50.0		96.1	41-143		5.04	30	
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.2	74-131		1.79	30	
Methylcyclohexane	46.0		"	50.0		92.0	70-130		1.32	30	
Methylene chloride	50.2		"	50.0		100	57-141		0.794	30	
n-Butylbenzene	46.7		"	50.0		93.3	80-130		1.28	30	
n-Propylbenzene	48.2		"	50.0		96.5	74-136		0.949	30	
o-Xylene	47.5		"	50.0		95.0	83-123		0.755	30	
p- & m- Xylenes	97.0		"	100		97.0	82-128		1.20	30	
p-Isopropyltoluene	43.6		"	50.0		87.2	85-125		0.298	30	
sec-Butylbenzene	42.4		"	50.0		84.8	83-125		1.31	30	
Styrene	46.3		"	50.0		92.6	86-126		0.498	30	
tert-Butyl alcohol (TBA)	232		"	250		92.8	70-130		2.46	30	
tert-Butylbenzene	36.7		"	50.0		73.3	80-127	Low Bias	0.680	30	
Tetrachloroethylene	41.4		"	50.0		82.9	80-129		0.577	30	
Toluene	45.2		"	50.0		90.4	85-121		1.03	30	
trans-1,2-Dichloroethylene	50.6		"	50.0		101	72-132		2.42	30	
trans-1,3-Dichloropropylene	43.6		"	50.0		87.1	78-132		1.30	30	
Trichloroethylene	44.2		"	50.0		88.5	84-123		1.18	30	
Trichlorofluoromethane	72.1		"	50.0		144	62-140	High Bias	1.90	30	
Vinyl acetate	54.5		"	50.0		109	67-136		1.70	30	
Vinyl Chloride	54.0		"	50.0		108	52-130		0.111	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*99.1*	*85-120*				

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 BB21592 - EPA 5035A											
LCS Dup (BB21592-BSD1) LCS Dup									Prepared & Analyzed: 02/08/2022		
Surrogate: SURR: p-Bromofluorobenzene	*45.8*		*ug/L*	*50.0*		*91.7*	*76-130*				

Semivolatile 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 BB21428 - EPA 3546 SVOA											
Blank (BB21428-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/08/2022		
1,1-Biphenyl	ND	0.0831	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.166	"								
1,2,4-Trichlorobenzene	ND	0.0831	"								
1,2-Dichlorobenzene	ND	0.0831	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0831	"								
1,3-Dichlorobenzene	ND	0.0831	"								
1,4-Dichlorobenzene	ND	0.0831	"								
2,3,4,6-Tetrachlorophenol	ND	0.166	"								
2,4,5-Trichlorophenol	ND	0.0831	"								
2,4,6-Trichlorophenol	ND	0.0831	"								
2,4-Dichlorophenol	ND	0.0831	"								
2,4-Dimethylphenol	ND	0.0831	"								
2,4-Dinitrophenol	ND	0.166	"								
2,4-Dinitrotoluene	ND	0.0831	"								
2,6-Dinitrotoluene	ND	0.0831	"								
2-Chloronaphthalene	ND	0.0831	"								
2-Chlorophenol	ND	0.0831	"								
2-Methylnaphthalene	ND	0.0831	"								
2-Methylphenol	ND	0.0831	"								
2-Nitroaniline	ND	0.166	"								
2-Nitrophenol	ND	0.0831	"								
3- & 4-Methylphenols	ND	0.0831	"								
3,3-Dichlorobenzidine	ND	0.0831	"								
3-Nitroaniline	ND	0.166	"								
4,6-Dinitro-2-methylphenol	ND	0.166	"								
4-Bromophenyl phenyl ether	ND	0.0831	"								
4-Chloro-3-methylphenol	ND	0.0831	"								
4-Chloroaniline	ND	0.0831	"								
4-Chlorophenyl phenyl ether	ND	0.0831	"								
4-Nitroaniline	ND	0.166	"								
4-Nitrophenol	ND	0.166	"								
Acenaphthene	ND	0.0831	"								
Acenaphthylene	ND	0.0831	"								
Acetophenone	ND	0.0831	"								
Aniline	ND	0.333	"								
Anthracene	ND	0.0831	"								
Atrazine	ND	0.0831	"								
Benzaldehyde	ND	0.0831	"								
Benzidine	ND	0.333	"								
Benzo(a)anthracene	ND	0.0831	"								
Benzo(a)pyrene	ND	0.0831	"								
Benzo(b)fluoranthene	ND	0.0831	"								
Benzo(g,h,i)perylene	ND	0.0831	"								
Benzo(k)fluoranthene	ND	0.0831	"								
Benzoic acid	ND	0.0831	"								
Benzyl alcohol	ND	0.0831	"								
Benzyl butyl phthalate	ND	0.0831	"								
Bis(2-chloroethoxy)methane	ND	0.0831	"								
Bis(2-chloroethyl)ether	ND	0.0831	"								
Bis(2-chloroisopropyl)ether	ND	0.0831	"								
Bis(2-ethylhexyl)phthalate	ND	0.0831	"								

Semivolatile 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 BB21428 - EPA 3546 SVOA											
Blank (BB21428-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/08/2022		
Caprolactam	ND	0.166	mg/kg wet								
Carbazole	ND	0.0831	"								
Chrysene	ND	0.0831	"								
Dibenzo(a,h)anthracene	ND	0.0831	"								
Dibenzofuran	ND	0.0831	"								
Diethyl phthalate	ND	0.0831	"								
Dimethyl phthalate	ND	0.0831	"								
Di-n-butyl phthalate	ND	0.0831	"								
Di-n-octyl phthalate	ND	0.0831	"								
Fluoranthene	ND	0.0831	"								
Fluorene	ND	0.0831	"								
Hexachlorobenzene	ND	0.0831	"								
Hexachlorobutadiene	ND	0.0831	"								
Hexachlorocyclopentadiene	ND	0.0831	"								
Hexachloroethane	ND	0.0831	"								
Indeno(1,2,3-cd)pyrene	ND	0.0831	"								
Isophorone	ND	0.0831	"								
Naphthalene	ND	0.0831	"								
Nitrobenzene	ND	0.0831	"								
N-Nitrosodimethylamine	ND	0.0831	"								
N-nitroso-di-n-propylamine	ND	0.0831	"								
N-Nitrosodiphenylamine	ND	0.0831	"								
Pentachlorophenol	ND	0.0831	"								
Phenanthrene	ND	0.0831	"								
Phenol	ND	0.0831	"								
Pyrene	ND	0.0831	"								
Pyridine	ND	0.333	"								
Surrogate: SURR: 2-Fluorophenol	*2.24*		"	*1.66*		*135*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.97*		"	*1.66*		*119*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.926*		"	*0.831*		*111*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*1.08*		"	*0.831*		*129*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.72*		"	*1.66*		*164*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.14*		"	*0.831*		*137*	*24-116*				

Semivolatile 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 BB21428 - EPA 3546 SVOA											
LCS (BB21428-BS1) LCS							Prepared: 02/04/2022 Analyzed: 02/08/2022				
1,1-Biphenyl	0.443	0.0416	mg/kg wet	0.831		53.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.583	0.0830	"	0.831		70.2	21-131				
1,2,4-Trichlorobenzene	0.502	0.0416	"	0.831		60.5	10-140				
1,2-Dichlorobenzene	0.453	0.0416	"	0.831		54.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.303	0.0416	"	0.831		36.4	17-137				
1,3-Dichlorobenzene	0.451	0.0416	"	0.831		54.3	33-110				
1,4-Dichlorobenzene	0.457	0.0416	"	0.831		55.0	32-104				
2,3,4,6-Tetrachlorophenol	0.484	0.0830	"	0.831		58.3	30-130				
2,4,5-Trichlorophenol	0.479	0.0416	"	0.831		57.7	27-118				
2,4,6-Trichlorophenol	0.558	0.0416	"	0.831		67.2	31-120				
2,4-Dichlorophenol	0.540	0.0416	"	0.831		65.0	20-127				
2,4-Dimethylphenol	0.458	0.0416	"	0.831		55.2	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.493	0.0416	"	0.831		59.4	34-131				
2,6-Dinitrotoluene	0.495	0.0416	"	0.831		59.6	31-128				
2-Chloronaphthalene	0.459	0.0416	"	0.831		55.3	31-117				
2-Chlorophenol	0.460	0.0416	"	0.831		55.4	33-113				
2-Methylnaphthalene	0.482	0.0416	"	0.831		58.1	12-138				
2-Methylphenol	0.441	0.0416	"	0.831		53.1	10-136				
2-Nitroaniline	0.513	0.0830	"	0.831		61.7	27-132				
2-Nitrophenol	0.449	0.0416	"	0.831		54.1	17-129				
3- & 4-Methylphenols	0.380	0.0416	"	0.831		45.7	29-103				
3,3-Dichlorobenzidine	0.366	0.0416	"	0.831		44.0	22-149				
3-Nitroaniline	0.467	0.0830	"	0.831		56.2	20-133				
4,6-Dinitro-2-methylphenol	0.0425	0.0830	"	0.831		5.12	10-143	Low Bias			
4-Bromophenyl phenyl ether	0.453	0.0416	"	0.831		54.6	29-120				
4-Chloro-3-methylphenol	0.502	0.0416	"	0.831		60.4	24-129				
4-Chloroaniline	0.341	0.0416	"	0.831		41.1	10-132				
4-Chlorophenyl phenyl ether	0.504	0.0416	"	0.831		60.7	27-124				
4-Nitroaniline	0.511	0.0830	"	0.831		61.5	16-128				
4-Nitrophenol	0.347	0.0830	"	0.831		41.7	10-141				
Acenaphthene	0.463	0.0416	"	0.831		55.8	30-121				
Acenaphthylene	0.428	0.0416	"	0.831		51.5	30-115				
Acetophenone	0.444	0.0416	"	0.831		53.4	20-112				
Aniline	0.298	0.166	"	0.831		35.8	10-119				
Anthracene	0.483	0.0416	"	0.831		58.1	34-118				
Atrazine	0.557	0.0416	"	0.831		67.1	26-112				
Benzaldehyde	0.477	0.0416	"	0.831		57.4	21-100				
Benzo(a)anthracene	0.480	0.0416	"	0.831		57.8	32-122				
Benzo(a)pyrene	0.465	0.0416	"	0.831		56.0	29-133				
Benzo(b)fluoranthene	0.493	0.0416	"	0.831		59.4	25-133				
Benzo(g,h,i)perylene	0.511	0.0416	"	0.831		61.5	10-143				
Benzo(k)fluoranthene	0.474	0.0416	"	0.831		57.0	25-128				
Benzoic acid	0.0223	0.0416	"	0.831		2.68	10-140	Low Bias			
Benzyl alcohol	0.412	0.0416	"	0.831		49.6	30-115				
Benzyl butyl phthalate	0.420	0.0416	"	0.831		50.6	26-126				
Bis(2-chloroethoxy)methane	0.398	0.0416	"	0.831		47.9	19-132				
Bis(2-chloroethyl)ether	0.445	0.0416	"	0.831		53.6	19-125				
Bis(2-chloroisopropyl)ether	0.341	0.0416	"	0.831		41.0	20-135				
Bis(2-ethylhexyl)phthalate	0.438	0.0416	"	0.831		52.7	10-155				
Caprolactam	0.555	0.0830	"	0.831		66.8	10-127				

Semivolatile 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 BB21428 - EPA 3546 SVOA											
LCS (BB21428-BS1) LCS								Prepared: 02/04/2022 Analyzed: 02/08/2022			
Carbazole	0.462	0.0416	mg/kg wet	0.831		55.6	35-123				
Chrysene	0.463	0.0416	"	0.831		55.7	32-123				
Dibenzo(a,h)anthracene	0.537	0.0416	"	0.831		64.6	10-136				
Dibenzofuran	0.479	0.0416	"	0.831		57.7	29-121				
Diethyl phthalate	0.415	0.0416	"	0.831		50.0	34-116				
Dimethyl phthalate	0.442	0.0416	"	0.831		53.2	35-124				
Di-n-butyl phthalate	0.404	0.0416	"	0.831		48.6	31-116				
Di-n-octyl phthalate	0.462	0.0416	"	0.831		55.6	26-136				
Fluoranthene	0.494	0.0416	"	0.831		59.5	33-122				
Fluorene	0.474	0.0416	"	0.831		57.1	29-123				
Hexachlorobenzene	0.353	0.0416	"	0.831		42.5	21-124				
Hexachlorobutadiene	0.513	0.0416	"	0.831		61.8	10-149				
Hexachlorocyclopentadiene	ND	0.0416	"	0.831			10-129	Low Bias			
Hexachloroethane	0.366	0.0416	"	0.831		44.1	28-108				
Indeno(1,2,3-cd)pyrene	0.490	0.0416	"	0.831		59.0	10-135				
Isophorone	0.388	0.0416	"	0.831		46.8	20-132				
Naphthalene	0.459	0.0416	"	0.831		55.3	23-124				
Nitrobenzene	0.394	0.0416	"	0.831		47.4	13-132				
N-Nitrosodimethylamine	0.349	0.0416	"	0.831		42.0	11-129				
N-nitroso-di-n-propylamine	0.327	0.0416	"	0.831		39.4	24-119				
N-Nitrosodiphenylamine	0.473	0.0416	"	0.831		57.0	22-152				
Pentachlorophenol	0.320	0.0416	"	0.831		38.6	10-139				
Phenanthrene	0.446	0.0416	"	0.831		53.7	33-123				
Phenol	0.461	0.0416	"	0.831		55.6	23-115				
Pyrene	0.457	0.0416	"	0.831		55.0	24-130				
Pyridine	0.378	0.166	"	0.831		45.6	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.956*		"	*1.66*		*57.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.858*		"	*1.66*		*51.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.421*		"	*0.831*		*50.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.482*		"	*0.831*		*58.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.26*		"	*1.66*		*75.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.482*		"	*0.831*		*58.0*	*24-116*				

Semivolatile 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 BB21428 - EPA 3546 SVOA											
Matrix Spike (BB21428-MS1) Matrix Spike	*Source sample: 22B0147-01 (Matrix Spike)								Prepared: 02/04/2022 Analyzed: 02/11/2022		
1,1-Biphenyl	1.42	0.0861	mg/kg dry	0.861	ND	165	10-130	High Bias			
1,2,4,5-Tetrachlorobenzene	1.55	0.172	"	0.861	ND	180	10-133	High Bias			
1,2,4-Trichlorobenzene	1.29	0.0861	"	0.861	ND	150	10-127	High Bias			
1,2-Dichlorobenzene	1.22	0.0861	"	0.861	ND	142	14-111	High Bias			
1,2-Diphenylhydrazine (as Azobenzene)	1.25	0.0861	"	0.861	ND	146	10-144	High Bias			
1,3-Dichlorobenzene	1.21	0.0861	"	0.861	ND	140	11-111	High Bias			
1,4-Dichlorobenzene	1.23	0.0861	"	0.861	ND	142	10-106	High Bias			
2,3,4,6-Tetrachlorophenol	1.27	0.172	"	0.861	ND	147	30-130	High Bias			
2,4,5-Trichlorophenol	1.55	0.0861	"	0.861	ND	180	10-127	High Bias			
2,4,6-Trichlorophenol	1.50	0.0861	"	0.861	ND	174	10-132	High Bias			
2,4-Dichlorophenol	1.47	0.0861	"	0.861	ND	170	10-128	High Bias			
2,4-Dimethylphenol	1.30	0.0861	"	0.861	ND	151	10-137	High Bias			
2,4-Dinitrophenol	0.263	0.172	"	0.861	ND	30.6	10-171				
2,4-Dinitrotoluene	1.63	0.0861	"	0.861	ND	189	16-135	High Bias			
2,6-Dinitrotoluene	1.66	0.0861	"	0.861	ND	193	18-131	High Bias			
2-Chloronaphthalene	1.36	0.0861	"	0.861	ND	158	10-129	High Bias			
2-Chlorophenol	1.34	0.0861	"	0.861	ND	155	15-116	High Bias			
2-Methylnaphthalene	1.32	0.0861	"	0.861	ND	153	10-147	High Bias			
2-Methylphenol	1.25	0.0861	"	0.861	ND	146	10-136	High Bias			
2-Nitroaniline	1.64	0.172	"	0.861	ND	190	10-137	High Bias			
2-Nitrophenol	1.61	0.0861	"	0.861	ND	187	10-129	High Bias			
3- & 4-Methylphenols	1.09	0.0861	"	0.861	ND	126	10-123	High Bias			
3,3-Dichlorobenzidine	2.39	0.0861	"	0.861	ND	277	10-155	High Bias			
3-Nitroaniline	1.35	0.172	"	0.861	ND	157	12-133	High Bias			
4,6-Dinitro-2-methylphenol	0.688	0.172	"	0.861	ND	79.9	10-155				
4-Bromophenyl phenyl ether	1.54	0.0861	"	0.861	ND	179	14-128	High Bias			
4-Chloro-3-methylphenol	1.28	0.0861	"	0.861	ND	149	10-134	High Bias			
4-Chloroaniline	0.841	0.0861	"	0.861	ND	97.8	10-145				
4-Chlorophenyl phenyl ether	1.31	0.0861	"	0.861	ND	153	14-130	High Bias			
4-Nitroaniline	1.40	0.172	"	0.861	ND	162	10-147	High Bias			
4-Nitrophenol	1.21	0.172	"	0.861	ND	140	10-137	High Bias			
Acenaphthene	1.33	0.0861	"	0.861	ND	155	10-146	High Bias			
Acenaphthylene	1.28	0.0861	"	0.861	ND	149	10-134	High Bias			
Acetophenone	1.19	0.0861	"	0.861	ND	138	10-116	High Bias			
Aniline	0.646	0.345	"	0.861	ND	75.0	10-123				
Anthracene	1.49	0.0861	"	0.861	ND	173	10-142	High Bias			
Atrazine	1.35	0.0861	"	0.861	ND	157	19-115	High Bias			
Benzaldehyde	1.48	0.0861	"	0.861	ND	171	10-125	High Bias			
Benzo(a)anthracene	1.47	0.0861	"	0.861	ND	170	10-158	High Bias			
Benzo(a)pyrene	1.51	0.0861	"	0.861	ND	175	10-180				
Benzo(b)fluoranthene	1.59	0.0861	"	0.861	ND	185	10-200				
Benzo(g,h,i)perylene	1.55	0.0861	"	0.861	ND	180	10-138	High Bias			
Benzo(k)fluoranthene	1.57	0.0861	"	0.861	ND	182	10-197				
Benzoic acid	0.185	0.0861	"	0.861	ND	21.5	10-166				
Benzyl alcohol	1.12	0.0861	"	0.861	ND	130	12-124	High Bias			
Benzyl butyl phthalate	1.39	0.0861	"	0.861	ND	162	10-154	High Bias			
Bis(2-chloroethoxy)methane	1.28	0.0861	"	0.861	ND	149	10-132	High Bias			
Bis(2-chloroethyl)ether	1.34	0.0861	"	0.861	ND	156	10-119	High Bias			
Bis(2-chloroisopropyl)ether	1.14	0.0861	"	0.861	ND	133	10-139				
Bis(2-ethylhexyl)phthalate	1.46	0.0861	"	0.861	ND	169	10-167	High Bias			
Caprolactam	1.55	0.172	"	0.861	ND	180	10-132	High Bias			

Semivolatile 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 BB21428 - EPA 3546 SVOA											
Matrix Spike (BB21428-MS1) Matrix Spike	*Source sample: 22B0147-01 (Matrix Spike)							Prepared: 02/04/2022 Analyzed: 02/11/2022			
Carbazole	1.40	0.0861	mg/kg dry	0.861	ND	162	10-167				
Chrysene	1.42	0.0861	"	0.861	ND	165	10-156	High Bias			
Dibenzo(a,h)anthracene	1.66	0.0861	"	0.861	ND	193	10-137	High Bias			
Dibenzofuran	1.33	0.0861	"	0.861	ND	154	10-147	High Bias			
Diethyl phthalate	1.27	0.0861	"	0.861	ND	147	20-120	High Bias			
Dimethyl phthalate	1.31	0.0861	"	0.861	ND	152	18-131	High Bias			
Di-n-butyl phthalate	1.41	0.0861	"	0.861	ND	164	10-137	High Bias			
Di-n-octyl phthalate	1.51	0.0861	"	0.861	ND	175	10-180				
Fluoranthene	1.55	0.0861	"	0.861	0.0702	172	10-160	High Bias			
Fluorene	1.34	0.0861	"	0.861	ND	156	10-157				
Hexachlorobenzene	1.24	0.0861	"	0.861	ND	144	10-137	High Bias			
Hexachlorobutadiene	1.37	0.0861	"	0.861	ND	159	10-132	High Bias			
Hexachlorocyclopentadiene	0.445	0.0861	"	0.861	ND	51.8	10-106				
Hexachloroethane	1.09	0.0861	"	0.861	ND	126	10-110	High Bias			
Indeno(1,2,3-cd)pyrene	1.90	0.0861	"	0.861	ND	220	10-144	High Bias			
Isophorone	1.26	0.0861	"	0.861	ND	146	10-132	High Bias			
Naphthalene	1.33	0.0861	"	0.861	ND	154	10-141	High Bias			
Nitrobenzene	1.38	0.0861	"	0.861	ND	161	10-131	High Bias			
N-Nitrosodimethylamine	1.28	0.0861	"	0.861	ND	149	10-126	High Bias			
N-nitroso-di-n-propylamine	0.935	0.0861	"	0.861	ND	109	10-125				
N-Nitrosodiphenylamine	1.66	0.0861	"	0.861	ND	193	10-177	High Bias			
Pentachlorophenol	1.24	0.0861	"	0.861	ND	144	10-153				
Phenanthrene	1.40	0.0861	"	0.861	ND	163	10-148	High Bias			
Phenol	1.31	0.0861	"	0.861	ND	152	10-126	High Bias			
Pyrene	1.44	0.0861	"	0.861	0.0565	161	10-165				
Pyridine	1.20	0.345	"	0.861	ND	140	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*3.05*		*"*	*1.72*		*177*	*20-108*				
Surrogate: SURR: Phenol-d5	*2.63*		*"*	*1.72*		*153*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.56*		*"*	*0.861*		*181*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*1.40*		*"*	*0.861*		*162*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*3.63*		*"*	*1.72*		*211*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.49*		*"*	*0.861*		*173*	*24-116*				

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Batch BB21428 - EPA 3546 SVOA

Matrix Spike Dup (BB21428-M Matrix Spike Dup Source sample: 22B0147-01 (Matrix Spike Dup) Prepared: 02/04/2022 Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	1.60	0.0861	mg/kg dry	0.861	ND	186	10-130	High Bias	11.5	30	
1,2,4,5-Tetrachlorobenzene	1.71	0.172	"	0.861	ND	199	10-133	High Bias	9.71	30	
1,2,4-Trichlorobenzene	1.42	0.0861	"	0.861	ND	165	10-127	High Bias	9.75	30	
1,2-Dichlorobenzene	1.29	0.0861	"	0.861	ND	150	14-111	High Bias	5.81	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.31	0.0861	"	0.861	ND	152	10-144	High Bias	4.35	30	
1,3-Dichlorobenzene	1.32	0.0861	"	0.861	ND	153	11-111	High Bias	8.89	30	
1,4-Dichlorobenzene	1.35	0.0861	"	0.861	ND	157	10-106	High Bias	9.82	30	
2,3,4,6-Tetrachlorophenol	1.50	0.172	"	0.861	ND	174	30-130	High Bias	16.7	30	
2,4,5-Trichlorophenol	1.68	0.0861	"	0.861	ND	195	10-127	High Bias	8.36	30	
2,4,6-Trichlorophenol	1.67	0.0861	"	0.861	ND	194	10-132	High Bias	11.0	30	
2,4-Dichlorophenol	1.57	0.0861	"	0.861	ND	183	10-128	High Bias	6.94	30	
2,4-Dimethylphenol	1.54	0.0861	"	0.861	ND	179	10-137	High Bias	17.4	30	
2,4-Dinitrophenol	0.273	0.172	"	0.861	ND	31.7	10-171		3.60	30	
2,4-Dinitrotoluene	1.84	0.0861	"	0.861	ND	214	16-135	High Bias	12.2	30	
2,6-Dinitrotoluene	1.91	0.0861	"	0.861	ND	222	18-131	High Bias	13.8	30	
2-Chloronaphthalene	1.49	0.0861	"	0.861	ND	174	10-129	High Bias	9.46	30	
2-Chlorophenol	1.46	0.0861	"	0.861	ND	170	15-116	High Bias	9.10	30	
2-Methylnaphthalene	1.47	0.0861	"	0.861	ND	171	10-147	High Bias	11.1	30	
2-Methylphenol	1.39	0.0861	"	0.861	ND	162	10-136	High Bias	10.6	30	
2-Nitroaniline	1.83	0.172	"	0.861	ND	212	10-137	High Bias	10.9	30	
2-Nitrophenol	1.80	0.0861	"	0.861	ND	209	10-129	High Bias	11.5	30	
3- & 4-Methylphenols	1.19	0.0861	"	0.861	ND	138	10-123	High Bias	8.90	30	
3,3-Dichlorobenzidine	2.71	0.0861	"	0.861	ND	315	10-155	High Bias	12.7	30	
3-Nitroaniline	1.43	0.172	"	0.861	ND	167	12-133	High Bias	5.78	30	
4,6-Dinitro-2-methylphenol	0.705	0.172	"	0.861	ND	81.9	10-155		2.47	30	
4-Bromophenyl phenyl ether	1.70	0.0861	"	0.861	ND	198	14-128	High Bias	10.2	30	
4-Chloro-3-methylphenol	1.41	0.0861	"	0.861	ND	164	10-134	High Bias	9.57	30	
4-Chloroaniline	0.899	0.0861	"	0.861	ND	104	10-145		6.65	30	
4-Chlorophenyl phenyl ether	1.48	0.0861	"	0.861	ND	172	14-130	High Bias	12.2	30	
4-Nitroaniline	1.53	0.172	"	0.861	ND	178	10-147	High Bias	9.39	30	
4-Nitrophenol	1.31	0.172	"	0.861	ND	152	10-137	High Bias	8.16	30	
Acenaphthene	1.53	0.0861	"	0.861	ND	178	10-146	High Bias	13.9	30	
Acenaphthylene	1.41	0.0861	"	0.861	ND	164	10-134	High Bias	9.21	30	
Acetophenone	1.33	0.0861	"	0.861	ND	154	10-116	High Bias	10.9	30	
Aniline	0.777	0.345	"	0.861	ND	90.2	10-123		18.4	30	
Anthracene	1.65	0.0861	"	0.861	ND	192	10-142	High Bias	10.1	30	
Atrazine	1.49	0.0861	"	0.861	ND	173	19-115	High Bias	9.94	30	
Benzaldehyde	2.29	0.0861	"	0.861	ND	266	10-125	High Bias	43.3	30	Non-dir.
Benzo(a)anthracene	1.94	0.0861	"	0.861	ND	226	10-158	High Bias	28.0	30	
Benzo(a)pyrene	2.04	0.0861	"	0.861	ND	237	10-180	High Bias	30.0	30	
Benzo(b)fluoranthene	1.95	0.0861	"	0.861	ND	226	10-200	High Bias	20.1	30	
Benzo(g,h,i)perylene	1.91	0.0861	"	0.861	ND	222	10-138	High Bias	20.5	30	
Benzo(k)fluoranthene	1.92	0.0861	"	0.861	ND	223	10-197	High Bias	20.1	30	
Benzoic acid	0.149	0.0861	"	0.861	ND	17.3	10-166		21.9	30	
Benzyl alcohol	1.21	0.0861	"	0.861	ND	140	12-124	High Bias	7.33	30	
Benzyl butyl phthalate	1.54	0.0861	"	0.861	ND	179	10-154	High Bias	10.1	30	
Bis(2-chloroethoxy)methane	1.41	0.0861	"	0.861	ND	164	10-132	High Bias	9.97	30	
Bis(2-chloroethyl)ether	1.38	0.0861	"	0.861	ND	160	10-119	High Bias	2.63	30	
Bis(2-chloroisopropyl)ether	1.19	0.0861	"	0.861	ND	138	10-139		4.07	30	
Bis(2-ethylhexyl)phthalate	1.61	0.0861	"	0.861	ND	187	10-167	High Bias	9.75	30	
Caprolactam	1.77	0.172	"	0.861	ND	206	10-132	High Bias	13.4	30	

Semivolatile 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 BB21428 - EPA 3546 SVOA											
Matrix Spike Dup (BB21428-M Matrix Spike Dup	*Source sample: 22B0147-01 (Matrix Spike Dup)								Prepared: 02/04/2022 Analyzed: 02/11/2022		
Carbazole	1.58	0.0861	mg/kg dry	0.861	ND	183	10-167	High Bias	12.2	30	
Chrysene	1.88	0.0861	"	0.861	ND	218	10-156	High Bias	27.7	30	
Dibenzo(a,h)anthracene	1.87	0.0861	"	0.861	ND	218	10-137	High Bias	12.2	30	
Dibenzofuran	1.48	0.0861	"	0.861	ND	172	10-147	High Bias	10.7	30	
Diethyl phthalate	1.40	0.0861	"	0.861	ND	162	20-120	High Bias	9.72	30	
Dimethyl phthalate	1.43	0.0861	"	0.861	ND	167	18-131	High Bias	9.25	30	
Di-n-butyl phthalate	1.55	0.0861	"	0.861	ND	180	10-137	High Bias	9.54	30	
Di-n-octyl phthalate	1.65	0.0861	"	0.861	ND	192	10-180	High Bias	9.18	30	
Fluoranthene	2.57	0.0861	"	0.861	0.0702	290	10-160	High Bias	49.5	30	Non-dir.
Fluorene	1.49	0.0861	"	0.861	ND	173	10-157	High Bias	10.5	30	
Hexachlorobenzene	1.43	0.0861	"	0.861	ND	166	10-137	High Bias	14.7	30	
Hexachlorobutadiene	1.57	0.0861	"	0.861	ND	182	10-132	High Bias	13.3	30	
Hexachlorocyclopentadiene	0.501	0.0861	"	0.861	ND	58.2	10-106		11.6	30	
Hexachloroethane	1.24	0.0861	"	0.861	ND	144	10-110	High Bias	12.8	30	
Indeno(1,2,3-cd)pyrene	2.27	0.0861	"	0.861	ND	264	10-144	High Bias	18.0	30	
Isophorone	1.36	0.0861	"	0.861	ND	158	10-132	High Bias	7.99	30	
Naphthalene	1.48	0.0861	"	0.861	ND	172	10-141	High Bias	10.9	30	
Nitrobenzene	1.51	0.0861	"	0.861	ND	175	10-131	High Bias	8.71	30	
N-Nitrosodimethylamine	1.40	0.0861	"	0.861	ND	162	10-126	High Bias	8.42	30	
N-nitroso-di-n-propylamine	1.05	0.0861	"	0.861	ND	121	10-125		11.1	30	
N-Nitrosodiphenylamine	1.82	0.0861	"	0.861	ND	211	10-177	High Bias	9.14	30	
Pentachlorophenol	1.38	0.0861	"	0.861	ND	160	10-153	High Bias	10.5	30	
Phenanthrene	2.04	0.0861	"	0.861	ND	237	10-148	High Bias	37.2	30	Non-dir.
Phenol	1.44	0.0861	"	0.861	ND	167	10-126	High Bias	9.57	30	
Pyrene	2.18	0.0861	"	0.861	0.0565	247	10-165	High Bias	40.9	30	Non-dir.
Pyridine	1.35	0.345	"	0.861	ND	157	10-83	High Bias	11.8	30	
Surrogate: SURR: 2-Fluorophenol	*3.54*		"	*1.72*		*206*	*20-108*				
Surrogate: SURR: Phenol-d5	*3.02*		"	*1.72*		*175*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.76*		"	*0.861*		*204*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*1.63*		"	*0.861*		*189*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*3.99*		"	*1.72*		*232*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.65*		"	*0.861*		*191*	*24-116*				

Semivolatile 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 BB22288 - EPA 3546 SVOA											
Blank (BB22288-BLK1) Blank									Prepared: 02/21/2022 Analyzed: 02/22/2022		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								

Semivolatile 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 BB22288 - EPA 3546 SVOA											
Blank (BB22288-BLK1) Blank									Prepared: 02/21/2022 Analyzed: 02/22/2022		
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.19*		"	*1.66*		*71.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.16*		"	*1.66*		*69.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.596*		"	*0.831*		*71.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.623*		"	*0.831*		*75.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.37*		"	*1.66*		*82.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.654*		"	*0.831*		*78.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22288 - EPA 3546 SVOA

LCS (BB22288-BS1) LCS — Prepared: 02/21/2022 Analyzed: 02/22/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.670	0.0416	mg/kg wet	0.831		80.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.562	0.0830	"	1.66		33.9	21-131				
1,2,4-Trichlorobenzene	0.613	0.0416	"	1.66		36.9	10-140				
1,2-Dichlorobenzene	0.523	0.0416	"	1.66		31.5	34-108	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	0.461	0.0416	"	1.66		27.8	17-137				
1,3-Dichlorobenzene	0.507	0.0416	"	1.66		30.5	33-110	Low Bias			
1,4-Dichlorobenzene	0.564	0.0416	"	1.66		34.0	32-104				
2,3,4,6-Tetrachlorophenol	0.553	0.0830	"	1.66		33.3	30-130				
2,4,5-Trichlorophenol	0.613	0.0416	"	1.66		36.9	27-118				
2,4,6-Trichlorophenol	0.678	0.0416	"	1.66		40.8	31-120				
2,4-Dichlorophenol	0.683	0.0416	"	1.66		41.1	20-127				
2,4-Dimethylphenol	0.599	0.0416	"	1.66		36.1	14-132				
2,4-Dinitrophenol	0.191	0.0830	"	1.66		11.5	10-171				
2,4-Dinitrotoluene	0.727	0.0416	"	1.66		43.7	34-131				
2,6-Dinitrotoluene	0.645	0.0416	"	1.66		38.8	31-128				
2-Chloronaphthalene	0.531	0.0416	"	1.66		31.9	31-117				
2-Chlorophenol	0.575	0.0416	"	1.66		34.6	33-113				
2-Methylnaphthalene	0.638	0.0416	"	1.66		38.4	12-138				
2-Methylphenol	0.490	0.0416	"	1.66		29.5	10-136				
2-Nitroaniline	0.672	0.0830	"	1.66		40.4	27-132				
2-Nitrophenol	0.663	0.0416	"	1.66		39.9	17-129				
3- & 4-Methylphenols	0.518	0.0416	"	1.66		31.2	29-103				
3,3-Dichlorobenzidine	0.359	0.0416	"	1.66		21.6	22-149	Low Bias			
3-Nitroaniline	0.574	0.0830	"	1.66		34.6	20-133				
4,6-Dinitro-2-methylphenol	0.465	0.0830	"	1.66		28.0	10-143				
4-Bromophenyl phenyl ether	0.631	0.0416	"	1.66		38.0	29-120				
4-Chloro-3-methylphenol	0.650	0.0416	"	1.66		39.1	24-129				
4-Chloroaniline	0.461	0.0416	"	1.66		27.8	10-132				
4-Chlorophenyl phenyl ether	0.612	0.0416	"	1.66		36.8	27-124				
4-Nitroaniline	0.565	0.0830	"	1.66		34.0	16-128				
4-Nitrophenol	0.525	0.0830	"	1.66		31.6	10-141				
Acenaphthene	0.624	0.0416	"	1.66		37.6	30-121				
Acenaphthylene	0.571	0.0416	"	1.66		34.4	30-115				
Acetophenone	0.605	0.0416	"	0.831		72.8	20-112				
Aniline	0.348	0.166	"	1.66		20.9	10-119				
Anthracene	0.568	0.0416	"	1.66		34.2	34-118				
Atrazine	0.610	0.0416	"	0.831		73.5	26-112				
Benzaldehyde	0.552	0.0416	"	0.831		66.4	21-100				
Benzo(a)anthracene	0.583	0.0416	"	1.66		35.1	32-122				
Benzo(a)pyrene	0.550	0.0416	"	1.66		33.1	29-133				
Benzo(b)fluoranthene	0.576	0.0416	"	1.66		34.7	25-133				
Benzo(g,h,i)perylene	0.545	0.0416	"	1.66		32.8	10-143				
Benzo(k)fluoranthene	0.581	0.0416	"	1.66		35.0	25-128				
Benzoic acid	0.169	0.0416	"	0.831		20.3	10-140				
Benzyl alcohol	0.579	0.0416	"	1.66		34.8	30-115				
Benzyl butyl phthalate	0.600	0.0416	"	1.66		36.1	26-126				
Bis(2-chloroethoxy)methane	0.541	0.0416	"	1.66		32.5	19-132				
Bis(2-chloroethyl)ether	0.497	0.0416	"	1.66		29.9	19-125				
Bis(2-chloroisopropyl)ether	0.432	0.0416	"	1.66		26.0	20-135				
Bis(2-ethylhexyl)phthalate	0.521	0.0416	"	1.66		31.3	10-155				
Caprolactam	0.605	0.0830	"	0.831		72.8	10-127				

Semivolatile 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 BB22288 - EPA 3546 SVOA											
LCS (BB22288-BS1) LCS								Prepared: 02/21/2022 Analyzed: 02/22/2022			
Carbazole	0.572	0.0416	mg/kg wet	1.66		34.5	35-123	Low Bias			
Chrysene	0.601	0.0416	"	1.66		36.2	32-123				
Dibenzo(a,h)anthracene	0.610	0.0416	"	1.66		36.7	10-136				
Dibenzofuran	0.595	0.0416	"	1.66		35.8	29-121				
Diethyl phthalate	0.591	0.0416	"	1.66		35.6	34-116				
Dimethyl phthalate	0.556	0.0416	"	1.66		33.5	35-124	Low Bias			
Di-n-butyl phthalate	0.546	0.0416	"	1.66		32.9	31-116				
Di-n-octyl phthalate	0.549	0.0416	"	1.66		33.0	26-136				
Fluoranthene	0.555	0.0416	"	1.66		33.4	33-122				
Fluorene	0.618	0.0416	"	1.66		37.2	29-123				
Hexachlorobenzene	0.562	0.0416	"	1.66		33.8	21-124				
Hexachlorobutadiene	0.712	0.0416	"	1.66		42.9	10-149				
Hexachlorocyclopentadiene	0.252	0.0416	"	1.66		15.2	10-129				
Hexachloroethane	0.505	0.0416	"	1.66		30.4	28-108				
Indeno(1,2,3-cd)pyrene	0.562	0.0416	"	1.66		33.8	10-135				
Isophorone	0.558	0.0416	"	1.66		33.6	20-132				
Naphthalene	0.575	0.0416	"	1.66		34.6	23-124				
Nitrobenzene	0.595	0.0416	"	1.66		35.8	13-132				
N-Nitrosodimethylamine	0.466	0.0416	"	1.66		28.1	11-129				
N-nitroso-di-n-propylamine	0.490	0.0416	"	1.66		29.5	24-119				
N-Nitrosodiphenylamine	0.642	0.0416	"	1.66		38.6	22-152				
Pentachlorophenol	0.263	0.0416	"	1.66		15.8	10-139				
Phenanthrene	0.575	0.0416	"	1.66		34.6	33-123				
Phenol	0.626	0.0416	"	1.66		37.7	23-115				
Pyrene	0.628	0.0416	"	1.66		37.8	24-130				
Pyridine	0.548	0.166	"	1.66		33.0	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.16*		"	*1.66*		*69.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.15*		"	*1.66*		*69.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.657*		"	*0.831*		*79.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.575*		"	*0.831*		*69.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.20*		"	*1.66*		*72.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.650*		"	*0.831*		*78.2*	*24-116*				

Semivolatile 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 BB22288 - EPA 3546 SVOA											
Matrix Spike (BB22288-MS1) Matrix Spike	*Source sample: 22B0874-04 (Matrix Spike)							Prepared: 02/21/2022 Analyzed: 02/22/2022			
1,1-Biphenyl	0.610	0.0885	mg/kg dry	0.884	ND	69.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.581	0.177	"	1.77	ND	32.8	10-133				
1,2,4-Trichlorobenzene	0.562	0.0885	"	1.77	ND	31.8	10-127				
1,2-Dichlorobenzene	0.538	0.0885	"	1.77	ND	30.4	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.482	0.0885	"	1.77	ND	27.3	10-144				
1,3-Dichlorobenzene	0.546	0.0885	"	1.77	ND	30.9	11-111				
1,4-Dichlorobenzene	0.530	0.0885	"	1.77	ND	30.0	10-106				
2,3,4,6-Tetrachlorophenol	0.693	0.177	"	1.77	ND	39.2	30-130				
2,4,5-Trichlorophenol	0.713	0.0885	"	1.77	ND	40.3	10-127				
2,4,6-Trichlorophenol	0.641	0.0885	"	1.77	ND	36.2	10-132				
2,4-Dichlorophenol	0.593	0.0885	"	1.77	ND	33.5	10-128				
2,4-Dimethylphenol	0.576	0.0885	"	1.77	ND	32.6	10-137				
2,4-Dinitrophenol	ND	0.177	"	1.77	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.665	0.0885	"	1.77	ND	37.6	16-135				
2,6-Dinitrotoluene	0.665	0.0885	"	1.77	ND	37.6	18-131				
2-Chloronaphthalene	0.576	0.0885	"	1.77	ND	32.6	10-129				
2-Chlorophenol	0.547	0.0885	"	1.77	ND	31.0	15-116				
2-Methylnaphthalene	0.581	0.0885	"	1.77	ND	32.9	10-147				
2-Methylphenol	0.512	0.0885	"	1.77	ND	29.0	10-136				
2-Nitroaniline	0.692	0.177	"	1.77	ND	39.1	10-137				
2-Nitrophenol	0.598	0.0885	"	1.77	ND	33.8	10-129				
3- & 4-Methylphenols	0.448	0.0885	"	1.77	ND	25.3	10-123				
3,3-Dichlorobenzidine	0.745	0.0885	"	1.77	ND	42.1	10-155				
3-Nitroaniline	0.721	0.177	"	1.77	ND	40.8	12-133				
4,6-Dinitro-2-methylphenol	ND	0.177	"	1.77	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.578	0.0885	"	1.77	ND	32.7	14-128				
4-Chloro-3-methylphenol	0.603	0.0885	"	1.77	ND	34.1	10-134				
4-Chloroaniline	0.441	0.0885	"	1.77	ND	24.9	10-145				
4-Chlorophenyl phenyl ether	0.562	0.0885	"	1.77	ND	31.8	14-130				
4-Nitroaniline	0.690	0.177	"	1.77	ND	39.0	10-147				
4-Nitrophenol	0.489	0.177	"	1.77	ND	27.7	10-137				
Acenaphthene	0.577	0.0885	"	1.77	ND	32.6	10-146				
Acenaphthylene	0.566	0.0885	"	1.77	ND	32.0	10-134				
Acetophenone	0.578	0.0885	"	0.884	ND	65.4	10-116				
Aniline	0.474	0.354	"	1.77	ND	26.8	10-123				
Anthracene	0.622	0.0885	"	1.77	ND	35.2	10-142				
Atrazine	0.657	0.0885	"	0.884	ND	74.3	19-115				
Benzaldehyde	0.561	0.0885	"	0.884	ND	63.4	10-125				
Benzo(a)anthracene	0.590	0.0885	"	1.77	ND	33.4	10-158				
Benzo(a)pyrene	0.651	0.0885	"	1.77	ND	36.8	10-180				
Benzo(b)fluoranthene	0.666	0.0885	"	1.77	ND	37.7	10-200				
Benzo(g,h,i)perylene	0.572	0.0885	"	1.77	ND	32.4	10-138				
Benzo(k)fluoranthene	0.686	0.0885	"	1.77	ND	38.8	10-197				
Benzoic acid	0.427	0.0885	"	0.884	ND	48.3	10-166				
Benzyl alcohol	0.475	0.0885	"	1.77	ND	26.9	12-124				
Benzyl butyl phthalate	0.536	0.0885	"	1.77	ND	30.3	10-154				
Bis(2-chloroethoxy)methane	0.533	0.0885	"	1.77	ND	30.2	10-132				
Bis(2-chloroethyl)ether	0.487	0.0885	"	1.77	ND	27.6	10-119				
Bis(2-chloroisopropyl)ether	0.373	0.0885	"	1.77	ND	21.1	10-139				
Bis(2-ethylhexyl)phthalate	0.598	0.0885	"	1.77	ND	33.8	10-167				
Caprolactam	0.651	0.177	"	0.884	ND	73.7	10-132				

Semivolatile 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 BB22288 - EPA 3546 SVOA											
Matrix Spike (BB22288-MS1) Matrix Spike	*Source sample: 22B0874-04 (Matrix Spike)							Prepared: 02/21/2022 Analyzed: 02/22/2022			
Carbazole	0.616	0.0885	mg/kg dry	1.77	ND	34.8	10-167				
Chrysene	0.579	0.0885	"	1.77	ND	32.7	10-156				
Dibenzo(a,h)anthracene	0.626	0.0885	"	1.77	ND	35.4	10-137				
Dibenzofuran	0.577	0.0885	"	1.77	ND	32.6	10-147				
Diethyl phthalate	0.537	0.0885	"	1.77	ND	30.4	20-120				
Dimethyl phthalate	0.560	0.0885	"	1.77	ND	31.7	18-131				
Di-n-butyl phthalate	0.570	0.0885	"	1.77	ND	32.2	10-137				
Di-n-octyl phthalate	0.678	0.0885	"	1.77	ND	38.4	10-180				
Fluoranthene	0.582	0.0885	"	1.77	ND	32.9	10-160				
Fluorene	0.581	0.0885	"	1.77	ND	32.9	10-157				
Hexachlorobenzene	0.540	0.0885	"	1.77	ND	30.6	10-137				
Hexachlorobutadiene	0.593	0.0885	"	1.77	ND	33.5	10-132				
Hexachlorocyclopentadiene	0.161	0.0885	"	1.77	ND	9.08	10-106	Low Bias			
Hexachloroethane	0.491	0.0885	"	1.77	ND	27.8	10-110				
Indeno(1,2,3-cd)pyrene	0.710	0.0885	"	1.77	ND	40.2	10-144				
Isophorone	0.504	0.0885	"	1.77	ND	28.5	10-132				
Naphthalene	0.580	0.0885	"	1.77	ND	32.8	10-141				
Nitrobenzene	0.513	0.0885	"	1.77	ND	29.0	10-131				
N-Nitrosodimethylamine	0.448	0.0885	"	1.77	ND	25.3	10-126				
N-nitroso-di-n-propylamine	0.436	0.0885	"	1.77	ND	24.6	10-125				
N-Nitrosodiphenylamine	0.664	0.0885	"	1.77	ND	37.6	10-177				
Pentachlorophenol	0.508	0.0885	"	1.77	ND	28.7	10-153				
Phenanthrene	0.603	0.0885	"	1.77	ND	34.1	10-148				
Phenol	0.523	0.0885	"	1.77	ND	29.6	10-126				
Pyrene	0.769	0.0885	"	1.77	ND	43.5	10-165				
Pyridine	0.468	0.354	"	1.77	ND	26.5	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.14*		*"*	*1.77*		*64.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.06*		*"*	*1.77*		*60.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.555*		*"*	*0.884*		*62.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.611*		*"*	*0.884*		*69.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.68*		*"*	*1.77*		*94.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.811*		*"*	*0.884*		*91.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22288 - EPA 3546 SVOA

Matrix Spike Dup (BB22288-M Matrix Spike Dup Source sample: 22B0874-04 (Matrix Spike Dup) Prepared: 02/21/2022 Analyzed: 02/22/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.268	0.0885	mg/kg dry	0.884	ND	30.3	10-130		77.8	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.256	0.177	"	1.77	ND	14.5	10-133		77.6	30	Non-dir.
1,2,4-Trichlorobenzene	0.263	0.0885	"	1.77	ND	14.9	10-127		72.5	30	Non-dir.
1,2-Dichlorobenzene	0.236	0.0885	"	1.77	ND	13.3	14-111	Low Bias	78.2	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.231	0.0885	"	1.77	ND	13.0	10-144		70.6	30	Non-dir.
1,3-Dichlorobenzene	0.245	0.0885	"	1.77	ND	13.8	11-111		76.2	30	Non-dir.
1,4-Dichlorobenzene	0.248	0.0885	"	1.77	ND	14.0	10-106		72.4	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.299	0.177	"	1.77	ND	16.9	30-130	Low Bias	79.4	30	Non-dir.
2,4,5-Trichlorophenol	0.322	0.0885	"	1.77	ND	18.2	10-127		75.6	30	Non-dir.
2,4,6-Trichlorophenol	0.285	0.0885	"	1.77	ND	16.1	10-132		76.9	30	Non-dir.
2,4-Dichlorophenol	0.265	0.0885	"	1.77	ND	15.0	10-128		76.3	30	Non-dir.
2,4-Dimethylphenol	0.258	0.0885	"	1.77	ND	14.6	10-137		76.3	30	Non-dir.
2,4-Dinitrophenol	ND	0.177	"	1.77	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.281	0.0885	"	1.77	ND	15.9	16-135	Low Bias	81.3	30	Non-dir.
2,6-Dinitrotoluene	0.306	0.0885	"	1.77	ND	17.3	18-131	Low Bias	73.9	30	Non-dir.
2-Chloronaphthalene	0.257	0.0885	"	1.77	ND	14.5	10-129		76.6	30	Non-dir.
2-Chlorophenol	0.239	0.0885	"	1.77	ND	13.5	15-116	Low Bias	78.4	30	Non-dir.
2-Methylnaphthalene	0.258	0.0885	"	1.77	ND	14.6	10-147		77.0	30	Non-dir.
2-Methylphenol	0.235	0.0885	"	1.77	ND	13.3	10-136		74.2	30	Non-dir.
2-Nitroaniline	0.301	0.177	"	1.77	ND	17.0	10-137		78.6	30	Non-dir.
2-Nitrophenol	0.244	0.0885	"	1.77	ND	13.8	10-129		84.1	30	Non-dir.
3- & 4-Methylphenols	0.206	0.0885	"	1.77	ND	11.6	10-123		74.0	30	Non-dir.
3,3-Dichlorobenzidine	0.305	0.0885	"	1.77	ND	17.2	10-155		83.8	30	Non-dir.
3-Nitroaniline	0.314	0.177	"	1.77	ND	17.8	12-133		78.6	30	Non-dir.
4,6-Dinitro-2-methylphenol	ND	0.177	"	1.77	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.267	0.0885	"	1.77	ND	15.1	14-128		73.5	30	Non-dir.
4-Chloro-3-methylphenol	0.269	0.0885	"	1.77	ND	15.2	10-134		76.7	30	Non-dir.
4-Chloroaniline	0.194	0.0885	"	1.77	ND	11.0	10-145		77.8	30	Non-dir.
4-Chlorophenyl phenyl ether	0.252	0.0885	"	1.77	ND	14.3	14-130		75.9	30	Non-dir.
4-Nitroaniline	0.284	0.177	"	1.77	ND	16.1	10-147		83.2	30	Non-dir.
4-Nitrophenol	0.236	0.177	"	1.77	ND	13.3	10-137		70.0	30	Non-dir.
Acenaphthene	0.240	0.0885	"	1.77	ND	13.6	10-146		82.4	30	Non-dir.
Acenaphthylene	0.250	0.0885	"	1.77	ND	14.2	10-134		77.4	30	Non-dir.
Acetophenone	0.247	0.0885	"	0.884	ND	27.9	10-116		80.3	30	Non-dir.
Aniline	0.194	0.354	"	1.77	ND	11.0	10-123		83.6	30	Non-dir.
Anthracene	0.272	0.0885	"	1.77	ND	15.4	10-142		78.5	30	Non-dir.
Atrazine	0.301	0.0885	"	0.884	ND	34.1	19-115		74.2	30	Non-dir.
Benzaldehyde	0.256	0.0885	"	0.884	ND	29.0	10-125		74.6	30	Non-dir.
Benzo(a)anthracene	0.268	0.0885	"	1.77	ND	15.2	10-158		75.0	30	Non-dir.
Benzo(a)pyrene	0.323	0.0885	"	1.77	ND	18.3	10-180		67.2	30	Non-dir.
Benzo(b)fluoranthene	0.323	0.0885	"	1.77	ND	18.3	10-200		69.3	30	Non-dir.
Benzo(g,h,i)perylene	0.274	0.0885	"	1.77	ND	15.5	10-138		70.6	30	Non-dir.
Benzo(k)fluoranthene	0.337	0.0885	"	1.77	ND	19.0	10-197		68.3	30	Non-dir.
Benzoic acid	0.135	0.0885	"	0.884	ND	15.3	10-166		104	30	Non-dir.
Benzyl alcohol	0.233	0.0885	"	1.77	ND	13.2	12-124		68.3	30	Non-dir.
Benzyl butyl phthalate	0.236	0.0885	"	1.77	ND	13.3	10-154		77.9	30	Non-dir.
Bis(2-chloroethoxy)methane	0.227	0.0885	"	1.77	ND	12.8	10-132		80.6	30	Non-dir.
Bis(2-chloroethyl)ether	0.211	0.0885	"	1.77	ND	12.0	10-119		78.9	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.164	0.0885	"	1.77	ND	9.28	10-139	Low Bias	77.7	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.272	0.0885	"	1.77	ND	15.4	10-167		75.0	30	Non-dir.
Caprolactam	0.294	0.177	"	0.884	ND	33.3	10-132		75.5	30	Non-dir.

Semivolatile 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 BB22288 - EPA 3546 SVOA											
Matrix Spike Dup (BB22288-M Matrix Spike Dup	*Source sample: 22B0874-04 (Matrix Spike Dup)								Prepared: 02/21/2022 Analyzed: 02/22/2022		
Carbazole	0.277	0.0885	mg/kg dry	1.77	ND	15.7	10-167		75.9	30	Non-dir.
Chrysene	0.257	0.0885	"	1.77	ND	14.5	10-156		77.1	30	Non-dir.
Dibenzo(a,h)anthracene	0.306	0.0885	"	1.77	ND	17.3	10-137		68.8	30	Non-dir.
Dibenzofuran	0.253	0.0885	"	1.77	ND	14.3	10-147		78.0	30	Non-dir.
Diethyl phthalate	0.243	0.0885	"	1.77	ND	13.7	20-120	Low Bias	75.6	30	Non-dir.
Dimethyl phthalate	0.245	0.0885	"	1.77	ND	13.9	18-131	Low Bias	78.1	30	Non-dir.
Di-n-butyl phthalate	0.256	0.0885	"	1.77	ND	14.5	10-137		76.0	30	Non-dir.
Di-n-octyl phthalate	0.294	0.0885	"	1.77	ND	16.6	10-180		79.0	30	Non-dir.
Fluoranthene	0.176	0.0885	"	1.77	ND	9.96	10-160	Low Bias	107	30	Non-dir.
Fluorene	0.264	0.0885	"	1.77	ND	15.0	10-157		74.9	30	Non-dir.
Hexachlorobenzene	0.267	0.0885	"	1.77	ND	15.1	10-137		67.8	30	Non-dir.
Hexachlorobutadiene	0.228	0.0885	"	1.77	ND	12.9	10-132		88.7	30	Non-dir.
Hexachlorocyclopentadiene	0.0523	0.0885	"	1.77	ND	2.96	10-106	Low Bias	102	30	Non-dir.
Hexachloroethane	0.191	0.0885	"	1.77	ND	10.8	10-110		88.0	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.335	0.0885	"	1.77	ND	18.9	10-144		71.9	30	Non-dir.
Isophorone	0.224	0.0885	"	1.77	ND	12.7	10-132		76.9	30	Non-dir.
Naphthalene	0.257	0.0885	"	1.77	ND	14.5	10-141		77.3	30	Non-dir.
Nitrobenzene	0.238	0.0885	"	1.77	ND	13.4	10-131		73.3	30	Non-dir.
N-Nitrosodimethylamine	0.185	0.0885	"	1.77	ND	10.5	10-126		82.9	30	Non-dir.
N-nitroso-di-n-propylamine	0.180	0.0885	"	1.77	ND	10.2	10-125		83.2	30	Non-dir.
N-Nitrosodiphenylamine	0.315	0.0885	"	1.77	ND	17.8	10-177		71.4	30	Non-dir.
Pentachlorophenol	0.190	0.0885	"	1.77	ND	10.7	10-153		91.3	30	Non-dir.
Phenanthrene	0.262	0.0885	"	1.77	ND	14.8	10-148		78.9	30	Non-dir.
Phenol	0.219	0.0885	"	1.77	ND	12.4	10-126		81.9	30	Non-dir.
Pyrene	0.238	0.0885	"	1.77	ND	13.4	10-165		106	30	Non-dir.
Pyridine	0.211	0.354	"	1.77	ND	12.0	10-83		75.5	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*0.504*		*"*	*1.77*		*28.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.446*		*"*	*1.77*		*25.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.251*		*"*	*0.884*		*28.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.264*		*"*	*0.884*		*29.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.752*		*"*	*1.77*		*42.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.257*		*"*	*0.884*		*29.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BB21457 - EPA 3550C											
Blank (BB21457-BLK1) Blank								Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*208*		*"*	*495*		*42.0*	*39-127.5*				
LCS (BB21457-BS1) LCS								Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,4-Dioxane	589	19.8	ug/kg	495		119	40-130				
Surrogate: 1,4-Dioxane-d8	*208*		*"*	*495*		*42.0*	*39-127.5*				
Matrix Spike (BB21457-MS1) Matrix Spike *Source sample: 22B0106-09 (Matrix Spike)								Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane	549	19.8	ug/kg	495	ND	111	40-130				
Surrogate: 1,4-Dioxane-d8	*277*		*"*	*495*		*56.0*	*40-130*				
Matrix Spike (BB21457-MS2) Matrix Spike *Source sample: 22B0118-01 (Matrix Spike)								Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane	537	19.8	ug/kg	495	ND	108	40-130				
Surrogate: 1,4-Dioxane-d8	*356*		*"*	*495*		*72.0*	*40-130*				
Matrix Spike Dup (BB21457-M Matrix Spike Dup *Source sample: 22B0106-09 (Matrix Spike Dup)								Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		10.2	30	
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*40-130*				
Matrix Spike Dup (BB21457-M Matrix Spike Dup *Source sample: 22B0118-01 (Matrix Spike Dup)								Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane	513	19.8	ug/kg	495	ND	104	40-130		4.53	30	
Surrogate: 1,4-Dioxane-d8	*277*		*"*	*495*		*56.0*	*40-130*				

PFAS Target compounds by LC/MS-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 BB21444 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB21444-BLK1) Blank — Prepared: 02/04/2022 Analyzed: 02/08/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.232	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.232	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.232	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.232	"								
Perfluorooctanoic acid (PFOA)	ND	0.232	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.232	"								
Perfluorononanoic acid (PFNA)	ND	0.232	"								
Perfluorodecanoic acid (PFDA)	ND	0.232	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.232	"								
Perfluorododecanoic acid (PFDoA)	ND	0.232	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.232	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.232	"								
N-MeFOSAA	ND	0.232	"								
N-EtFOSAA	ND	0.232	"								
Perfluoropentanoic acid (PFPeA)	ND	0.232	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.232	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.232	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.232	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.232	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.232	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.232	"								
Surrogate: M3PFBS	*4.18*		"	*4.30*		*97.1*	*25-150*				
Surrogate: M5PFHxA	*4.91*		"	*4.63*		*106*	*25-150*				
Surrogate: M4PFHpA	*4.46*		"	*4.63*		*96.2*	*25-150*				
Surrogate: M3PFHxS	*4.40*		"	*4.38*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.45*		"	*4.63*		*96.2*	*25-150*				
Surrogate: M6PFDA	*4.43*		"	*4.63*		*95.6*	*25-150*				
Surrogate: M7PFUdA	*4.82*		"	*4.63*		*104*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.06*		"	*4.63*		*87.8*	*25-150*				
Surrogate: M2PFTeDA	*2.64*		"	*4.63*		*56.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.56*		"	*4.63*		*98.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.15*		"	*4.43*		*93.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.53*		"	*4.63*		*97.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.76*		"	*4.63*		*81.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.70*		"	*4.63*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.95*		"	*4.63*		*85.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.67*		"	*4.40*		*106*	*25-200*				
Surrogate: M2-8:2 FTS	*4.06*		"	*4.44*		*91.4*	*25-200*				
Surrogate: M9PFNA	*5.14*		"	*4.63*		*111*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21444 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21444-BS1) LCS								Prepared: 02/04/2022 Analyzed: 02/08/2022			
Perfluorobutanesulfonic acid (PFBS)	4.03	0.242	ug/kg wet	4.29		94.0	50-130				
Perfluorohexanoic acid (PFHxA)	4.38	0.242	"	4.85		90.4	50-130				
Perfluoroheptanoic acid (PFHpA)	4.59	0.242	"	4.85		94.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.29	0.242	"	4.41		97.3	50-130				
Perfluorooctanoic acid (PFOA)	3.84	0.242	"	4.85		79.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.47	0.242	"	4.48		122	50-130				
Perfluorononanoic acid (PFNA)	3.20	0.242	"	4.85		66.0	50-130				
Perfluorodecanoic acid (PFDA)	4.51	0.242	"	4.85		93.1	50-130				
Perfluoroundecanoic acid (PFUnA)	4.97	0.242	"	4.85		103	50-130				
Perfluorododecanoic acid (PFDoA)	4.37	0.242	"	4.85		90.2	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.79	0.242	"	4.85		78.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.69	0.242	"	4.85		96.7	50-130				
N-MeFOSAA	4.25	0.242	"	4.85		87.7	50-130				
N-EtFOSAA	5.96	0.242	"	4.85		123	50-130				
Perfluoropentanoic acid (PFPeA)	4.93	0.242	"	4.85		102	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.41	0.242	"	4.85		91.0	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.60	0.242	"	4.63		99.5	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.50	0.242	"	4.68		74.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	2.89	0.242	"	4.60		62.8	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.44	0.242	"	4.65		95.4	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.39	0.242	"	4.85		90.6	50-130				
Surrogate: M3PFBS	*4.04*		*"*	*4.50*		*89.7*	*25-150*				
Surrogate: M5PFHxA	*4.53*		*"*	*4.85*		*93.4*	*25-150*				
Surrogate: M4PFHpA	*4.21*		*"*	*4.85*		*86.8*	*25-150*				
Surrogate: M3PFHxS	*4.28*		*"*	*4.58*		*93.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.82*		*"*	*4.85*		*99.5*	*25-150*				
Surrogate: M6PFDA	*4.33*		*"*	*4.85*		*89.4*	*25-150*				
Surrogate: M7PFUdA	*3.86*		*"*	*4.85*		*79.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.67*		*"*	*4.85*		*75.7*	*25-150*				
Surrogate: M2PFTeDA	*2.43*		*"*	*4.85*		*50.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.60*		*"*	*4.85*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.96*		*"*	*4.64*		*85.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.14*		*"*	*4.85*		*85.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.15*		*"*	*4.85*		*65.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.30*		*"*	*4.85*		*88.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.23*		*"*	*4.85*		*66.6*	*25-150*				
Surrogate: M2-6:2 FTS	*5.00*		*"*	*4.60*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*4.32*		*"*	*4.64*		*93.1*	*25-200*				
Surrogate: M9PFNA	*5.33*		*"*	*4.85*		*110*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21444 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB21444-MS1) Matrix Spike	*Source sample: 22B0070-02 (Matrix Spike)								Prepared: 02/04/2022 Analyzed: 02/08/2022		
Perfluorobutanesulfonic acid (PFBS)	4.90	0.268	ug/kg dry	4.75	ND	103	25-150				
Perfluorohexanoic acid (PFHxA)	4.88	0.268	"	5.37	ND	91.0	25-150				
Perfluoroheptanoic acid (PFHpA)	5.01	0.268	"	5.37	ND	93.4	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.70	0.268	"	4.88	ND	96.3	25-150				
Perfluorooctanoic acid (PFOA)	5.39	0.268	"	5.37	ND	100	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.50	0.268	"	4.96	ND	131	25-150				
Perfluorononanoic acid (PFNA)	4.68	0.268	"	5.37	ND	87.1	25-150				
Perfluorodecanoic acid (PFDA)	5.94	0.268	"	5.37	ND	111	25-150				
Perfluoroundecanoic acid (PFUnA)	5.33	0.268	"	5.37	ND	99.4	25-150				
Perfluorododecanoic acid (PFDoA)	5.26	0.268	"	5.37	ND	98.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.18	0.268	"	5.37	ND	96.6	25-150				
Perfluorotetradecanoic acid (PFTA)	5.16	0.268	"	5.37	ND	96.1	25-150				
N-MeFOSAA	5.88	0.268	"	5.37	ND	110	25-150				
N-EtFOSAA	6.42	0.268	"	5.37	ND	120	25-150				
Perfluoropentanoic acid (PFPeA)	5.45	0.268	"	5.37	ND	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.11	0.268	"	5.37	ND	95.3	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.85	0.268	"	5.12	ND	114	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.19	0.268	"	5.18	ND	100	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.06	0.268	"	5.10	ND	119	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.90	0.268	"	5.15	ND	115	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.39	0.268	"	5.37	ND	100	25-150				
Surrogate: M3PFBS	*4.30*		*"*	*4.98*		*86.2*	*25-150*				
Surrogate: M5PFHxA	*4.67*		*"*	*5.37*		*87.0*	*25-150*				
Surrogate: M4PFHpA	*4.83*		*"*	*5.37*		*90.1*	*25-150*				
Surrogate: M3PFHxS	*4.55*		*"*	*5.08*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.36*		*"*	*5.37*		*81.3*	*25-150*				
Surrogate: M6PFDA	*3.87*		*"*	*5.37*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*4.01*		*"*	*5.37*		*74.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.97*		*"*	*5.37*		*74.0*	*25-150*				
Surrogate: M2PFTeDA	*3.72*		*"*	*5.37*		*69.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.66*		*"*	*5.37*		*86.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.76*		*"*	*5.13*		*73.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.75*		*"*	*5.37*		*88.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.29*		*"*	*5.37*		*61.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.49*		*"*	*5.37*		*65.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.72*		*"*	*5.37*		*69.2*	*25-150*				
Surrogate: M2-6:2 FTS	*3.67*		*"*	*5.09*		*72.0*	*25-200*				
Surrogate: M2-8:2 FTS	*4.31*		*"*	*5.14*		*83.8*	*25-200*				
Surrogate: M9PFNA	*4.80*		*"*	*5.37*		*89.4*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21444 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21444-M Matrix Spike Dup	*Source sample: 22B0070-02 (Matrix Spike Dup)								Prepared: 02/04/2022 Analyzed: 02/08/2022		
Perfluorobutanesulfonic acid (PFBS)	4.36	0.258	ug/kg dry	4.57	ND	95.4	25-150		11.6	35	
Perfluorohexanoic acid (PFHxA)	4.40	0.258	"	5.16	ND	85.2	25-150		10.5	35	
Perfluoroheptanoic acid (PFHpA)	5.10	0.258	"	5.16	ND	98.8	25-150		1.70	35	
Perfluorohexanesulfonic acid (PFHxS)	4.32	0.258	"	4.70	ND	92.0	25-150		8.41	35	
Perfluorooctanoic acid (PFOA)	4.98	0.258	"	5.16	ND	96.4	25-150		7.90	35	
Perfluorooctanesulfonic acid (PFOS)	5.54	0.258	"	4.77	ND	116	25-150		16.1	35	
Perfluorononanoic acid (PFNA)	4.28	0.258	"	5.16	ND	82.9	25-150		8.91	35	
Perfluorodecanoic acid (PFDA)	5.66	0.258	"	5.16	ND	110	25-150		4.80	35	
Perfluoroundecanoic acid (PFUnA)	5.14	0.258	"	5.16	ND	99.6	25-150		3.66	35	
Perfluorododecanoic acid (PFDoA)	4.90	0.258	"	5.16	ND	95.0	25-150		7.01	35	
Perfluorotridecanoic acid (PFTrDA)	5.32	0.258	"	5.16	ND	103	25-150		2.71	35	
Perfluorotetradecanoic acid (PFTA)	4.96	0.258	"	5.16	ND	96.1	25-150		3.88	35	
N-MeFOSAA	4.69	0.258	"	5.16	ND	90.9	25-150		22.4	35	
N-EtFOSAA	5.11	0.258	"	5.16	ND	99.0	25-150		22.8	35	
Perfluoropentanoic acid (PFPeA)	4.87	0.258	"	5.16	ND	94.4	25-150		11.2	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.59	0.258	"	5.16	ND	88.9	25-150		10.9	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.79	0.258	"	4.93	ND	117	25-150		1.17	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.13	0.258	"	4.98	ND	83.0	25-150		22.7	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.51	0.258	"	4.90	ND	92.0	25-200		29.3	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.42	0.258	"	4.95	ND	150	25-200		22.7	35	
Perfluoro-n-butanoic acid (PFBA)	4.94	0.258	"	5.16	ND	95.6	25-150		8.75	35	
Surrogate: M3PFBS	*4.07*		"	*4.79*		*84.8*	*25-150*				
Surrogate: M5PFHxA	*4.57*		"	*5.16*		*88.6*	*25-150*				
Surrogate: M4PFHpA	*4.25*		"	*5.16*		*82.4*	*25-150*				
Surrogate: M3PFHxS	*4.38*		"	*4.88*		*89.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.22*		"	*5.16*		*81.8*	*25-150*				
Surrogate: M6PFDA	*3.14*		"	*5.16*		*60.9*	*25-150*				
Surrogate: M7PFUdA	*3.64*		"	*5.16*		*70.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.38*		"	*5.16*		*65.6*	*25-150*				
Surrogate: M2PFTeDA	*3.27*		"	*5.16*		*63.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.50*		"	*5.16*		*87.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.58*		"	*4.94*		*72.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.58*		"	*5.16*		*88.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.04*		"	*5.16*		*58.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.68*		"	*5.16*		*71.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.79*		"	*5.16*		*73.5*	*25-150*				
Surrogate: M2-6:2 FTS	*3.68*		"	*4.90*		*75.1*	*25-200*				
Surrogate: M2-8:2 FTS	*2.36*		"	*4.94*		*47.8*	*25-200*				
Surrogate: M9PFNA	*4.48*		"	*5.16*		*86.9*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21486 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21486-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*70.2*		"	*74.3*		*94.5*	*25-150*				
Surrogate: M5PFHxA	*75.9*		"	*80.0*		*94.9*	*25-150*				
Surrogate: M4PFHpA	*78.3*		"	*80.0*		*97.8*	*25-150*				
Surrogate: M3PFHxS	*70.6*		"	*75.7*		*93.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.3*		"	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*75.6*		"	*80.0*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*71.8*		"	*80.0*		*89.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.7*		"	*80.0*		*72.2*	*25-150*				
Surrogate: M2PFTeDA	*46.4*		"	*80.0*		*58.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.4*		"	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8*		"	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.8*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.0*		"	*80.0*		*18.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.7*		"	*80.0*		*74.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*50.6*		"	*80.0*		*63.3*	*25-150*				
Surrogate: M2-6:2 FTS	*64.9*		"	*75.9*		*85.5*	*25-200*				
Surrogate: M2-8:2 FTS	*65.5*		"	*76.6*		*85.4*	*25-200*				
Surrogate: M9PFNA	*90.5*		"	*80.0*		*113*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21486-BS1) LCS							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	70.4	2.00	ng/L	70.8		99.4	50-130				
Perfluorohexanoic acid (PFHxA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoroheptanoic acid (PFHpA)	77.6	2.00	"	80.0		97.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.8	2.00	"	72.8		91.8	50-130				
Perfluorooctanoic acid (PFOA)	71.5	2.00	"	80.0		89.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	85.0	2.00	"	74.0		115	50-130				
Perfluorononanoic acid (PFNA)	64.3	2.00	"	80.0		80.4	50-130				
Perfluorodecanoic acid (PFDA)	74.4	2.00	"	80.0		93.0	50-130				
Perfluoroundecanoic acid (PFUnA)	85.6	2.00	"	80.0		107	50-130				
Perfluorododecanoic acid (PFDoA)	78.7	2.00	"	80.0		98.4	50-130				
Perfluorotridecanoic acid (PFTrDA)	73.9	2.00	"	80.0		92.4	50-130				
Perfluorotetradecanoic acid (PFTA)	83.5	2.00	"	80.0		104	50-130				
N-MeFOSAA	81.6	2.00	"	80.0		102	50-130				
N-EtFOSAA	90.1	2.00	"	80.0		113	50-130				
Perfluoropentanoic acid (PFPeA)	77.4	2.00	"	80.0		96.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.5	2.00	"	80.0		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.1	2.00	"	76.4		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	54.9	2.00	"	77.2		71.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	56.0	5.00	"	76.0		73.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.7	2.00	"	76.8		94.6	50-175				
Perfluoro-n-butanoic acid (PFBA)	76.7	2.00	"	80.0		95.9	50-130				
Surrogate: M3PFBS	*65.5*		*"*	*74.3*		*88.2*	*25-150*				
Surrogate: M5PFHxA	*74.1*		*"*	*80.0*		*92.7*	*25-150*				
Surrogate: M4PFHpA	*72.3*		*"*	*80.0*		*90.4*	*25-150*				
Surrogate: M3PFHxS	*73.5*		*"*	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.9*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*80.2*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M7PFUdA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.0*		*"*	*80.0*		*78.8*	*25-150*				
Surrogate: M2PFTeDA	*48.2*		*"*	*80.0*		*60.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		*"*	*80.0*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.9*		*"*	*76.6*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.2*		*"*	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.0*		*"*	*80.0*		*25.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.4*		*"*	*80.0*		*78.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*53.6*		*"*	*80.0*		*67.0*	*25-150*				
Surrogate: M2-6:2 FTS	*92.8*		*"*	*75.9*		*122*	*25-200*				
Surrogate: M2-8:2 FTS	*93.1*		*"*	*76.6*		*122*	*25-200*				
Surrogate: M9PFNA	*91.9*		*"*	*80.0*		*115*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21486-BSD1) LCS Dup							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	68.9	2.00	ng/L	70.8		97.3	50-130		2.21	30	
Perfluorohexanoic acid (PFHxA)	71.4	2.00	"	80.0		89.2	50-130		4.68	30	
Perfluoroheptanoic acid (PFHpA)	73.9	2.00	"	80.0		92.4	50-130		4.90	30	
Perfluorohexanesulfonic acid (PFHxS)	68.3	2.00	"	72.8		93.8	50-130		2.15	30	
Perfluorooctanoic acid (PFOA)	69.1	2.00	"	80.0		86.4	50-130		3.36	30	
Perfluorooctanesulfonic acid (PFOS)	71.1	2.00	"	74.0		96.1	50-130		17.7	30	
Perfluorononanoic acid (PFNA)	62.9	2.00	"	80.0		78.7	50-130		2.16	30	
Perfluorodecanoic acid (PFDA)	72.9	2.00	"	80.0		91.2	50-130		2.02	30	
Perfluoroundecanoic acid (PFUnA)	71.4	2.00	"	80.0		89.3	50-130		18.0	30	
Perfluorododecanoic acid (PFDoA)	70.8	2.00	"	80.0		88.5	50-130		10.6	30	
Perfluorotridecanoic acid (PFTrDA)	70.3	2.00	"	80.0		87.9	50-130		4.99	30	
Perfluorotetradecanoic acid (PFTA)	73.2	2.00	"	80.0		91.5	50-130		13.1	30	
N-MeFOSAA	72.1	2.00	"	80.0		90.2	50-130		12.3	30	
N-EtFOSAA	90.7	2.00	"	80.0		113	50-130		0.753	30	
Perfluoropentanoic acid (PFPeA)	76.3	2.00	"	80.0		95.3	50-130		1.49	30	
Perfluoro-1-octanesulfonamide (FOSA)	78.5	2.00	"	80.0		98.2	50-130		2.66	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.5	2.00	"	76.4		108	50-130		0.771	30	
Perfluoro-1-decanesulfonic acid (PFDS)	52.4	2.00	"	77.2		67.8	50-130		4.68	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	58.1	5.00	"	76.0		76.5	50-175		3.77	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	89.8	2.00	"	76.8		117	50-175		21.0	30	
Perfluoro-n-butanoic acid (PFBA)	74.1	2.00	"	80.0		92.6	50-130		3.53	30	
Surrogate: M3PFBS	*72.4*		*"*	*74.3*		*97.4*	*25-150*				
Surrogate: M5PFHxA	*80.5*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*81.3*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*73.1*		*"*	*75.7*		*96.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.2*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*73.1*		*"*	*80.0*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*67.3*		*"*	*80.0*		*84.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.6*		*"*	*80.0*		*79.5*	*25-150*				
Surrogate: M2PFTeDA	*49.8*		*"*	*80.0*		*62.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.6*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.5*		*"*	*76.6*		*97.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.2*		*"*	*80.0*		*99.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.9*		*"*	*80.0*		*19.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*55.8*		*"*	*80.0*		*69.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*47.8*		*"*	*80.0*		*59.8*	*25-150*				
Surrogate: M2-6:2 FTS	*82.3*		*"*	*75.9*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*74.3*		*"*	*76.6*		*97.0*	*25-200*				
Surrogate: M9PFNA	*89.7*		*"*	*80.0*		*112*	*25-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21469 - EPA 3550C											
Blank (BB21469-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0400*		*"*	*0.0664*		*60.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0393*		*"*	*0.0664*		*59.1*	*30-150*				
LCS (BB21469-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	0.0256	0.00164	mg/kg wet	0.0332		77.2	40-140				
4,4'-DDE	0.0240	0.00164	"	0.0332		72.4	40-140				
4,4'-DDT	0.0171	0.00164	"	0.0332		51.3	40-140				
Aldrin	0.0247	0.00164	"	0.0332		74.5	40-140				
alpha-BHC	0.0262	0.00164	"	0.0332		78.8	40-140				
alpha-Chlordane	0.0245	0.00164	"	0.0332		73.9	40-140				
beta-BHC	0.0252	0.00164	"	0.0332		75.8	40-140				
delta-BHC	0.0246	0.00164	"	0.0332		73.9	40-140				
Dieldrin	0.0246	0.00164	"	0.0332		74.2	40-140				
Endosulfan I	0.0252	0.00164	"	0.0332		75.8	40-140				
Endosulfan II	0.0234	0.00164	"	0.0332		70.6	40-140				
Endosulfan sulfate	0.0206	0.00164	"	0.0332		61.9	40-140				
Endrin	0.0247	0.00164	"	0.0332		74.3	40-140				
Endrin aldehyde	0.0286	0.00164	"	0.0332		86.1	40-140				
Endrin ketone	0.0275	0.00164	"	0.0332		82.9	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		80.9	40-140				
gamma-Chlordane	0.0245	0.00164	"	0.0332		73.9	40-140				
Heptachlor	0.0241	0.00164	"	0.0332		72.7	40-140				
Heptachlor epoxide	0.0256	0.00164	"	0.0332		77.0	40-140				
Methoxychlor	0.0227	0.00164	"	0.0332		68.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0438*		*"*	*0.0664*		*65.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0419*		*"*	*0.0664*		*63.1*	*30-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21469 - EPA 3550C											
Matrix Spike (BB21469-MS1) Matrix Spike	*Source sample: 22B0221-01 (Matrix Spike)									Prepared: 02/07/2022 Analyzed: 02/10/2022	
4,4'-DDD	0.0346	0.00207	mg/kg dry	0.0418	ND	82.8	30-150				
4,4'-DDE	0.0305	0.00207	"	0.0418	ND	73.0	30-150				
4,4'-DDT	0.0204	0.00207	"	0.0418	ND	48.9	30-150				
Aldrin	0.0319	0.00207	"	0.0418	ND	76.2	30-150				
alpha-BHC	0.0336	0.00207	"	0.0418	ND	80.3	30-150				
alpha-Chlordane	0.0319	0.00207	"	0.0418	ND	76.2	30-150				
beta-BHC	0.0320	0.00207	"	0.0418	ND	76.4	30-150				
delta-BHC	0.0330	0.00207	"	0.0418	ND	78.9	30-150				
Dieldrin	0.0314	0.00207	"	0.0418	ND	75.1	30-150				
Endosulfan I	0.0328	0.00207	"	0.0418	ND	78.3	30-150				
Endosulfan II	0.0329	0.00207	"	0.0418	ND	78.6	30-150				
Endosulfan sulfate	0.0296	0.00207	"	0.0418	ND	70.7	30-150				
Endrin	0.0314	0.00207	"	0.0418	ND	75.2	30-150				
Endrin aldehyde	0.0419	0.00207	"	0.0418	ND	100	30-150				
Endrin ketone	0.0389	0.00207	"	0.0418	ND	93.1	30-150				
gamma-BHC (Lindane)	0.0347	0.00207	"	0.0418	ND	83.0	30-150				
gamma-Chlordane	0.0321	0.00207	"	0.0418	ND	76.9	30-150				
Heptachlor	0.0311	0.00207	"	0.0418	ND	74.3	30-150				
Heptachlor epoxide	0.0329	0.00207	"	0.0418	ND	78.7	30-150				
Methoxychlor	0.0257	0.00207	"	0.0418	ND	61.4	30-150				
Surrogate: Decachlorobiphenyl	*0.0550*		*"*	*0.0837*		*65.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0453*		*"*	*0.0837*		*54.2*	*30-150*				
Matrix Spike Dup (BB21469-M Matrix Spike Dup	*Source sample: 22B0221-01 (Matrix Spike Dup)									Prepared: 02/07/2022 Analyzed: 02/10/2022	
4,4'-DDD	0.0360	0.00207	mg/kg dry	0.0418	ND	86.1	30-150		3.93	30	
4,4'-DDE	0.0326	0.00207	"	0.0418	ND	77.8	30-150		6.36	30	
4,4'-DDT	0.0203	0.00207	"	0.0418	ND	48.6	30-150		0.616	30	
Aldrin	0.0351	0.00207	"	0.0418	ND	84.0	30-150		9.68	30	
alpha-BHC	0.0362	0.00207	"	0.0418	ND	86.7	30-150		7.61	30	
alpha-Chlordane	0.0346	0.00207	"	0.0418	ND	82.8	30-150		8.27	30	
beta-BHC	0.0350	0.00207	"	0.0418	ND	83.6	30-150		8.99	30	
delta-BHC	0.0351	0.00207	"	0.0418	ND	84.0	30-150		6.20	30	
Dieldrin	0.0342	0.00207	"	0.0418	ND	81.7	30-150		8.41	30	
Endosulfan I	0.0360	0.00207	"	0.0418	ND	86.1	30-150		9.43	30	
Endosulfan II	0.0333	0.00207	"	0.0418	ND	79.6	30-150		1.25	30	
Endosulfan sulfate	0.0299	0.00207	"	0.0418	ND	71.5	30-150		1.05	30	
Endrin	0.0313	0.00207	"	0.0418	ND	74.9	30-150		0.306	30	
Endrin aldehyde	0.0448	0.00207	"	0.0418	ND	107	30-150		6.80	30	
Endrin ketone	0.0394	0.00207	"	0.0418	ND	94.3	30-150		1.33	30	
gamma-BHC (Lindane)	0.0375	0.00207	"	0.0418	ND	89.6	30-150		7.61	30	
gamma-Chlordane	0.0345	0.00207	"	0.0418	ND	82.4	30-150		7.01	30	
Heptachlor	0.0324	0.00207	"	0.0418	ND	77.4	30-150		4.13	30	
Heptachlor epoxide	0.0356	0.00207	"	0.0418	ND	85.1	30-150		7.83	30	
Methoxychlor	0.0254	0.00207	"	0.0418	ND	60.7	30-150		1.15	30	
Surrogate: Decachlorobiphenyl	*0.0598*		*"*	*0.0837*		*71.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0496*		*"*	*0.0837*		*59.3*	*30-150*				

Organochlorine Pesticides by GC/ECD - 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 Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix							Prepared & Analyzed: 02/07/2022				
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2B0919 - BB21553											
Performance Mix (Y2B0919-P Performance Mix							Prepared & Analyzed: 02/08/2022				
4,4'-DDD	15.6		ng/mL	0.00			0-200				
4,4'-DDE	2.56		"	0.00			0-200				
4,4'-DDT	185		"	200		92.3	0-200				
Endrin	132		"	100		132	0-200				
Endrin aldehyde	8.82		"	0.00			0-200				
Endrin ketone	16.6		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*283*		*"*	*200*		*142*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*268*		*"*	*200*		*134*	*0-200*				
Batch Y2B1025 - BB21553											
Performance Mix (Y2B1025-P Performance Mix							Prepared & Analyzed: 02/09/2022				
4,4'-DDD	18.6		ng/mL	0.00			0-200				
4,4'-DDE	2.70		"	0.00			0-200				
4,4'-DDT	215		"	200		107	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	2.89		"	0.00			0-200				
Endrin ketone	17.7		"	0.00			0-200				

Organochlorine Pesticides by GC/ECD - 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 Y2B1025 - BB21553											
Performance Mix (Y2B1025-P Performance Mix									Prepared & Analyzed: 02/09/2022		
4,4'-DDD	20.4		ng/mL	0.00			0-200				
4,4'-DDE	2.57		"	0.00			0-200				
4,4'-DDT	200		"	200		100	0-200				
Endrin	143		"	100		143	0-200				
Endrin aldehyde	10.4		"	0.00			0-200				
Endrin ketone	18.6		"	0.00			0-200				
Batch Y2B1118 - BB21626											
Performance Mix (Y2B1118-P Performance Mix									Prepared & Analyzed: 02/10/2022		
4,4'-DDD	23.9		ng/mL	0.00			0-200				
4,4'-DDE	3.55		"	0.00			0-200				
4,4'-DDT	237		"	200		119	0-200				
Endrin	171		"	100		171	0-200				
Endrin aldehyde	12.2		"	0.00			0-200				
Endrin ketone	21.1		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - 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 BB21469 - EPA 3550C											
Blank (BB21469-BLK2) Blank								Prepared & Analyzed: 02/07/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0618*		*"*	*0.0664*		*93.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0641*		*"*	*0.0664*		*96.5*	*30-120*				
LCS (BB21469-BS2) LCS								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.255	0.0166	mg/kg wet	0.332		76.9	40-130				
Aroclor 1260	0.266	0.0166	"	0.332		80.0	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0575*		*"*	*0.0664*		*86.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0571*		*"*	*0.0664*		*86.0*	*30-120*				
Matrix Spike (BB21469-MS2) Matrix Spike *Source sample: 22B0221-01 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.404	0.0209	mg/kg dry	0.418	ND	96.6	40-140				
Aroclor 1260	0.440	0.0209	"	0.418	ND	105	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0707*		*"*	*0.0837*		*84.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0765*		*"*	*0.0837*		*91.5*	*30-120*				
Matrix Spike Dup (BB21469-M Matrix Spike Dup *Source sample: 22B0221-01 (Matrix Spike Dup)								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.399	0.0209	mg/kg dry	0.418	ND	95.4	40-140		1.23	50	
Aroclor 1260	0.429	0.0209	"	0.418	ND	103	40-140		2.46	50	
Surrogate: Tetrachloro-m-xylene	*0.0707*		*"*	*0.0837*		*84.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0749*		*"*	*0.0837*		*89.5*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - 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 Y2B0736 - BB21469											
Aroclor Reference (Y2B0736- Aroclor Reference									Prepared & Analyzed: 02/07/2022		
Surrogate: Tetrachloro-m-xylene	*0.208*		*ug/mL*	*0.200*		*104*					
Surrogate: Decachlorobiphenyl	*0.191*		*"*	*0.200*		*95.5*					
Batch Y2B0812 - BB21395											
Aroclor Reference (Y2B0812- Aroclor Reference									Prepared & Analyzed: 02/07/2022		
Surrogate: Tetrachloro-m-xylene	*0.192*		*ug/mL*	*0.200*		*96.0*					
Surrogate: Decachlorobiphenyl	*0.200*		*"*	*0.200*		*100*					

Chlorinated Herbicides by GC/ECD - 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 BB21456 - EPA 3550C/8151A											
Blank (BB21456-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.194*		*"*	*0.415*		*46.8*	*21-150*				
LCS (BB21456-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0648	0.0199	mg/kg wet	0.133		48.7	10-120				
2,4,5-TP (Silvex)	0.0748	0.0199	"	0.133		56.2	10-120				
2,4-D	0.0739	0.0199	"	0.133		55.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.305*		*"*	*0.415*		*73.4*	*21-150*				
Matrix Spike (BB21456-MS1) Matrix Spike *Source sample: 22B0106-09 (Matrix Spike)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0603	0.0234	mg/kg dry	0.156	ND	38.8	10-120				
2,4,5-TP (Silvex)	0.0681	0.0234	"	0.156	ND	43.8	10-120				
2,4-D	0.0710	0.0234	"	0.156	ND	45.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.288*		*"*	*0.487*		*59.2*	*21-150*				
Matrix Spike Dup (BB21456-M Matrix Spike Dup *Source sample: 22B0106-09 (Matrix Spike Dup)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0613	0.0234	mg/kg dry	0.156	ND	39.4	10-120		1.60	35	
2,4,5-TP (Silvex)	0.0681	0.0234	"	0.156	ND	43.8	10-120		0.00	35	
2,4-D	0.0691	0.0234	"	0.156	ND	44.4	10-118		2.78	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.243*		*"*	*0.487*		*50.0*	*21-150*				

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 BB21541 - EPA 3050B											
Blank (BB21541-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	6.27	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21541-DUP1) Duplicate	*Source sample: 22B0266-03 (Duplicate)								Prepared: 02/07/2022 Analyzed: 02/09/2022		
Aluminum	13600	6.32	mg/kg dry		12300				9.78	35	
Antimony	ND	3.16	"		ND					35	
Arsenic	ND	1.89	"		ND					35	
Barium	62.3	3.16	"		62.5				0.352	35	
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.379	"		ND					35	
Calcium	8980	6.32	"		4870				59.4	35	Non-dir.
Chromium	17.1	0.632	"		16.8				1.61	35	
Cobalt	10.2	0.505	"		13.3				26.1	35	
Copper	36.0	2.53	"		22.3				47.1	35	Non-dir.
Iron	20200	31.6	"		19100				5.61	35	
Lead	58.0	0.632	"		33.1				54.7	35	Non-dir.
Magnesium	6270	6.32	"		3560				55.2	35	Non-dir.
Manganese	482	0.632	"		596				21.3	35	
Nickel	19.8	1.26	"		17.0				15.4	35	
Potassium	1320	6.32	"		1160				12.5	35	
Selenium	ND	3.16	"		ND					35	
Silver	ND	0.632	"		ND					35	
Sodium	749	63.2	"		684				9.08	35	
Thallium	ND	3.16	"		ND					35	
Vanadium	41.1	1.26	"		35.0				15.9	35	
Zinc	113	3.16	"		82.4				31.2	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 BB21541 - EPA 3050B											
Matrix Spike (BB21541-MS1) Matrix Spike	*Source sample: 22B0266-03 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/09/2022		
Aluminum	16800	6.32	mg/kg dry	253	12300	NR	75-125	High Bias			
Antimony	11.8	3.16	"	31.6	ND	37.3	75-125	Low Bias			
Arsenic	277	1.89	"	253	ND	110	75-125				
Barium	365	3.16	"	253	62.5	120	75-125				
Beryllium	6.41	0.063	"	6.32	ND	101	75-125				
Cadmium	7.34	0.379	"	6.32	ND	116	75-125				
Calcium	6280	6.32	"	126	4870	NR	75-125	High Bias			
Chromium	47.6	0.632	"	25.3	16.8	122	75-125				
Cobalt	86.8	0.505	"	63.2	13.3	116	75-125				
Copper	69.2	2.53	"	31.6	22.3	149	75-125	High Bias			
Iron	23400	31.6	"	126	19100	NR	75-125	High Bias			
Lead	112	0.632	"	63.2	33.1	125	75-125				
Magnesium	4670	6.32	"	126	3560	884	75-125	High Bias			
Manganese	481	0.632	"	63.2	596	NR	75-125	Low Bias			
Nickel	99.4	1.26	"	63.2	17.0	131	75-125	High Bias			
Potassium	1650	6.32	"	126	1160	390	75-125	High Bias			
Selenium	205	3.16	"	253	ND	81.1	75-125				
Silver	6.07	0.632	"	6.32	ND	96.1	75-125				
Sodium	1000	63.2	"	126	684	251	75-125	High Bias			
Thallium	261	3.16	"	253	ND	103	75-125				
Vanadium	121	1.26	"	63.2	35.0	136	75-125	High Bias			
Zinc	173	3.16	"	63.2	82.4	143	75-125	High Bias			
Post Spike (BB21541-PS1) Post Spike	*Source sample: 22B0266-03 (Post Spike)								Prepared: 02/07/2022 Analyzed: 02/09/2022		
Aluminum	112		ug/mL	2.00	97.3	729	75-125	High Bias			
Antimony	0.313		"	0.250	0.017	118	75-125				
Arsenic	2.18		"	2.00	0.008	109	75-125				
Barium	2.83		"	2.00	0.495	117	75-125				
Beryllium	0.048		"	0.0500	-0.005	96.0	75-125				
Cadmium	0.058		"	0.0500	0.002	112	75-125				
Calcium	71.2		"	1.00	38.5	NR	75-125	High Bias			
Chromium	0.359		"	0.200	0.133	113	75-125				
Cobalt	0.659		"	0.500	0.105	111	75-125				
Copper	0.574		"	0.250	0.177	159	75-125	High Bias			
Iron	164		"	1.00	151	NR	75-125	High Bias			
Lead	1.04		"	0.500	0.262	156	75-125	High Bias			
Magnesium	51.6		"	1.00	28.2	NR	75-125	High Bias			
Manganese	4.39		"	0.500	4.72	NR	75-125	Low Bias			
Nickel	0.749		"	0.500	0.134	123	75-125				
Potassium	12.7		"	1.00	9.19	350	75-125	High Bias			
Selenium	1.71		"	2.00	-0.222	85.5	75-125				
Silver	0.048		"	0.0500	-0.002	95.5	75-125				
Sodium	7.32		"	1.00	5.41	191	75-125	High Bias			
Thallium	2.05		"	2.00	-0.022	103	75-125				
Vanadium	0.885		"	0.500	0.277	122	75-125				
Zinc	1.46		"	0.500	0.652	162	75-125	High Bias			

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 BB21541 - EPA 3050B											
Reference (BB21541-SRM1) Reference								Prepared: 02/07/2022 Analyzed: 02/09/2022			
Aluminum	10400	5.00	mg/kg wet	8130		127	49.9-150.1				
Antimony	73.7	2.50	"	134		55.0	19.3-250				
Arsenic	188	1.50	"	156		120	69.9-130.1				
Barium	321	2.50	"	239		134	74.9-124.7	High Bias			
Beryllium	222	0.050	"	169		131	75.1-125.4	High Bias			
Cadmium	178	0.300	"	137		130	75.2-124.8	High Bias			
Calcium	5850	5.00	"	4760		123	72.7-127.5				
Chromium	190	0.500	"	154		123	70.1-129.9				
Cobalt	159	0.400	"	121		131	75-124.8	High Bias			
Copper	68.5	2.00	"	54.9		125	74.9-125				
Iron	16300	25.0	"	14100		116	34.9-164.5				
Lead	156	0.500	"	130		120	71.8-128.5				
Magnesium	2820	5.00	"	2320		122	62.1-137.9				
Manganese	333	0.500	"	269		124	74-126.4				
Nickel	84.4	1.00	"	53.9		157	69.9-129.9	High Bias			
Potassium	2420	5.00	"	2020		120	58.9-141.1				
Selenium	147	2.50	"	167		88.1	67.7-132.3				
Silver	38.2	0.500	"	33.6		114	68.5-131.3				
Sodium	164	50.0	"	133		123	35-165.4				
Thallium	131	2.50	"	112		117	67.9-131.3				
Vanadium	73.0	1.00	"	62.6		117	59.1-141.1				
Zinc	188	2.50	"	158		119	70.3-129.7				
Batch BB22490 - EPA 3050B											
Blank (BB22490-BLK1) Blank								Prepared: 02/23/2022 Analyzed: 02/24/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	12.8	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

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 BB22490 - EPA 3050B											
Duplicate (BB22490-DUP1) Duplicate	*Source sample: 22B1019-05 (Duplicate)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Aluminum	10400	6.01	mg/kg dry		8920				15.5	35	
Antimony	3.90	3.00	"		3.76				3.71	35	
Arsenic	ND	1.80	"		7.06					35	
Barium	113	3.00	"		152				29.5	35	
Beryllium	ND	0.060	"		ND					35	
Cadmium	ND	0.360	"		0.400					35	
Calcium	8000	6.01	"		8580				7.01	35	
Chromium	39.8	0.601	"		48.5				19.8	35	
Cobalt	24.0	0.481	"		19.0				22.9	35	
Copper	48.7	2.40	"		50.9				4.54	35	
Iron	25200	30.0	"		22100				13.1	35	
Lead	220	0.601	"		1330				143	35	Non-dir.
Magnesium	8910	6.01	"		7910				11.9	35	
Manganese	328	0.601	"		359				8.86	35	
Nickel	238	1.20	"		220				7.80	35	
Potassium	1200	6.01	"		1060				12.2	35	
Selenium	ND	3.00	"		ND					35	
Silver	1.74	0.601	"		ND					35	
Sodium	474	60.1	"		281				51.0	35	Non-dir.
Thallium	ND	3.00	"		ND					35	
Vanadium	38.4	1.20	"		35.0				9.16	35	
Zinc	130	3.00	"		199				41.7	35	Non-dir.
Matrix Spike (BB22490-MS1) Matrix Spike	*Source sample: 22B1019-05 (Matrix Spike)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Aluminum	10000	6.01	mg/kg dry	240	8920	460	75-125	High Bias			
Antimony	22.6	3.00	"	30.0	3.76	62.6	75-125	Low Bias			
Arsenic	304	1.80	"	240	7.06	123	75-125				
Barium	396	3.00	"	240	152	102	75-125				
Beryllium	6.25	0.060	"	6.01	ND	104	75-125				
Cadmium	7.98	0.360	"	6.01	0.400	126	75-125	High Bias			
Calcium	6900	6.01	"	120	8580	NR	75-125	Low Bias			
Chromium	83.6	0.601	"	24.0	48.5	146	75-125	High Bias			
Cobalt	94.6	0.481	"	60.1	19.0	126	75-125	High Bias			
Copper	89.9	2.40	"	30.0	50.9	130	75-125	High Bias			
Iron	21900	30.0	"	120	22100	NR	75-125	Low Bias			
Lead	342	0.601	"	60.1	1330	NR	75-125	Low Bias			
Magnesium	8000	6.01	"	120	7910	82.3	75-125				
Manganese	433	0.601	"	60.1	359	123	75-125				
Nickel	326	1.20	"	60.1	220	176	75-125	High Bias			
Potassium	1280	6.01	"	120	1060	185	75-125	High Bias			
Selenium	234	3.00	"	240	ND	97.6	75-125				
Silver	7.32	0.601	"	6.01	ND	122	75-125				
Sodium	366	60.1	"	120	281	70.9	75-125	Low Bias			
Thallium	280	3.00	"	240	ND	116	75-125				
Vanadium	105	1.20	"	60.1	35.0	117	75-125				
Zinc	234	3.00	"	60.1	199	58.3	75-125	Low Bias			

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 BB22490 - EPA 3050B											
Post Spike (BB22490-PS1) Post Spike	*Source sample: 22B1019-05 (Post Spike)							Prepared: 02/23/2022 Analyzed: 02/24/2022			
Aluminum	76.1		ug/mL	2.00	74.3	93.2	75-125				
Antimony	0.371		"	0.250	0.031	136	75-125	High Bias			
Arsenic	2.60		"	2.00	0.059	127	75-125	High Bias			
Barium	3.65		"	2.00	1.27	119	75-125				
Beryllium	0.053		"	0.0500	-0.008	105	75-125				
Cadmium	0.069		"	0.0500	0.003	131	75-125	High Bias			
Calcium	71.3		"	1.00	71.5	NR	75-125	Low Bias			
Chromium	0.618		"	0.200	0.404	107	75-125				
Cobalt	0.784		"	0.500	0.159	125	75-125				
Copper	0.718		"	0.250	0.424	117	75-125				
Iron	183		"	1.00	184	NR	75-125	Low Bias			
Lead	11.3		"	0.500	11.1	42.6	75-125	Low Bias			
Magnesium	66.1		"	1.00	65.8	30.6	75-125	Low Bias			
Manganese	3.54		"	0.500	2.99	111	75-125				
Nickel	2.51		"	0.500	1.83	135	75-125	High Bias			
Potassium	9.88		"	1.00	8.83	105	75-125				
Selenium	2.03		"	2.00	-0.212	101	75-125				
Silver	0.036		"	0.0500	0.003	65.0	75-125	Low Bias			
Sodium	3.45		"	1.00	2.34	111	75-125				
Thallium	2.41		"	2.00	-0.021	120	75-125				
Vanadium	0.874		"	0.500	0.291	117	75-125				
Zinc	2.16		"	0.500	1.66	101	75-125				
Reference (BB22490-SRM1) Reference								Prepared: 02/23/2022 Analyzed: 02/24/2022			
Aluminum	9380	5.00	mg/kg wet	8130		115	49.9-150.1				
Antimony	146	2.50	"	134		109	19.3-250				
Arsenic	169	1.50	"	156		108	69.9-130.1				
Barium	255	2.50	"	239		107	74.9-124.7				
Beryllium	169	0.050	"	169		99.7	75.1-125.4				
Cadmium	147	0.300	"	137		107	75.2-124.8				
Calcium	4330	5.00	"	4760		91.0	72.7-127.5				
Chromium	159	0.500	"	154		104	70.1-129.9				
Cobalt	128	0.400	"	121		106	75-124.8				
Copper	60.0	2.00	"	54.9		109	74.9-125				
Iron	18100	25.0	"	14100		129	34.9-164.5				
Lead	145	0.500	"	130		111	71.8-128.5				
Magnesium	2350	5.00	"	2320		101	62.1-137.9				
Manganese	296	0.500	"	269		110	74-126.4				
Nickel	68.3	1.00	"	53.9		127	69.9-129.9				
Potassium	2240	5.00	"	2020		111	58.9-141.1				
Selenium	121	2.50	"	167		72.7	67.7-132.3				
Silver	32.7	0.500	"	33.6		97.2	68.5-131.3				
Sodium	151	50.0	"	133		113	35-165.4				
Thallium	109	2.50	"	112		97.4	67.9-131.3				
Vanadium	75.9	1.00	"	62.6		121	59.1-141.1				
Zinc	164	2.50	"	158		104	70.3-129.7				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
Batch BB21623 - EPA 7473 soil											
Blank (BB21623-BLK1) Blank								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21623-DUP1) Duplicate	*Source sample: 22B0132-01 (Duplicate)							Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	1.64	0.0343	mg/kg dry		2.96				57.3	35	Non-dir.
Matrix Spike (BB21623-MS1) Matrix Spike	*Source sample: 22B0132-01 (Matrix Spike)							Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	1.66		mg/kg	0.500	2.59	NR	75-125	Low Bias			
Reference (BB21623-SRM1) Reference								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	26.751		mg/kg	27.2		98.3	59.9-140.1				
Batch BB22514 - EPA 7473 soil											
Blank (BB22514-BLK1) Blank								Prepared: 02/23/2022 Analyzed: 02/24/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB22514-DUP1) Duplicate	*Source sample: 22B0179-04 (004_LSB-3_4-6)							Prepared: 02/23/2022 Analyzed: 02/24/2022			
Mercury	1.89	0.0338	mg/kg dry		1.23				42.6	35	Non-dir.
Matrix Spike (BB22514-MS1) Matrix Spike	*Source sample: 22B0179-04 (004_LSB-3_4-6)							Prepared: 02/23/2022 Analyzed: 02/24/2022			
Mercury	3.09		mg/kg	0.500	1.09	400	75-125	High Bias			
Reference (BB22514-SRM1) Reference								Prepared: 02/23/2022 Analyzed: 02/24/2022			
Mercury	17.911		mg/kg	27.2		65.8	59.9-140.1				

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 BB21398 - Analysis Preparation Soil												
Blank (BB21398-BLK1)	Blank								Prepared & Analyzed: 02/04/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21398-DUP1)	Duplicate	*Source sample: 22B0118-01 (Duplicate)							Prepared & Analyzed: 02/04/2022			
Cyanide, total		ND	0.626	mg/kg dry		ND					15	
Matrix Spike (BB21398-MS1)	Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)							Prepared & Analyzed: 02/04/2022			
Cyanide, total		13.5	0.626	mg/kg dry	12.5	ND	108	79.6-107	High Bias			
Reference (BB21398-SRM1)	Reference								Prepared & Analyzed: 02/04/2022			
Cyanide, total		98.7		ug/mL	86.8		114	41.82-157.83				
Batch BB21404 - EPA SW846-3060												
Blank (BB21404-BLK1)	Blank								Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21404-DUP1)	Duplicate	*Source sample: 22B0118-01 (Duplicate)							Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.626	mg/kg dry		ND					35	
Matrix Spike (BB21404-MS1)	Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)							Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.626	mg/kg dry	25.0	ND		75-125	Low Bias			
Reference (BB21404-SRM1)	Reference								Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		48.8		mg/L	109		44.8	30-169.7				

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 BB21417 - % Solids Prep												
Duplicate (BB21417-DUP1)	Duplicate	*Source sample: 22B0180-03 (Duplicate)								Prepared & Analyzed: 02/04/2022		
% Solids		78.0	0.100	%		75.2				3.61	20	
Batch BB22423 - % Solids Prep												
Duplicate (BB22423-DUP1)	Duplicate	*Source sample: 22B0851-02 (Duplicate)								Prepared & Analyzed: 02/22/2022		
% Solids		81.4	0.100	%		82.7				1.62	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0179-01	001_LSB-2_2-4	40mL Vial with Stir Bar-Cool 4° C
22B0179-03	003_LSB-3_2-4	40mL Vial with Stir Bar-Cool 4° C
22B0179-08	008_LSB-4_4-6	40mL Vial with Stir Bar-Cool 4° C
22B0179-10	010_TB-1	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.
PCB-I	PCB calculations are based uoon the average response of 5 peaks for each Aroclor. For this sample an internference was present and the analyst was unable to use all 5 peaks.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	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.

Revision Description: This report has been revised to include additional analyses as requested 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. 22B0179

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:	100964201	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ	Address: SAME	Address: SAME	YOUR Project Name: 213 Meadow Street	RUSH - Two Day
Phone: 973	Phone:	Phone:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail: MMatten@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) Morgan McBride

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
001_LSB-2_2-4	S	2/3/22 1035	VOCs, SVOCs, pesticides, herbicides, TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS	
002_LSB-2_4-6		1040		* HOLD SAMPLE
003_LSB-3_2-4		1210		
004_LSB-3_4-6		1215		* HOLD SAMPLE
005_LSB-3_8-10		1220		* HOLD SAMPLE
~~006_LSB-4_0-2 (M)~~ 006_LSB-4_0-2		1330		* HOLD SAMPLE
007_LSB-4_2-4		1335		* HOLD SAMPLE
008_LSB-4_4-6		1340		
009_LSB-4_8-10		1345		* HOLD SAMPLE
010_TB-1	AQ		VOCs	

Comments: *Note hold samples (M)

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

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Morgan McBride / Langan	2/3/22 1600	Mark N York Labs	2-3-22 1600	Mark N York Labs	2-3-22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
	2/4/22 1233		2/3/22 2015		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					2/3/22 2015 / 4.5 Degrees 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. 22B0179

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:	Company:	Company:
Address: SAME	Address: SAME	Address: SAME
Phone:	Phone:	Phone:
Contact:	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number: 160964201

YOUR Project Name: 213 Meadow Street

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) Morgen McBride

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 Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | 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
011-EB-1	AQ	2/3/22 1550	PFAS	

Comments: *note: no equipment blank for PFAS was provided - this EB contains regular DI water

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
Morgen McBride	2/3/22 1600	New York Labs	2-3-22 1600	Neil N York Labs	2-3-22
2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
GCRD	2/4/22 1030	GCRD	2/3/22 2018		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	2/3/22 2018 / 4.5 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/17/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0234

Report Date: 02/17/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0234

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

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 04, 2022 and listed below. The project was identified as your project: **100964201**.

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
22B0234-01	012_TB-2	Water	02/04/2022	02/04/2022
22B0234-02	013_EB-2	Water	02/04/2022	02/04/2022
22B0234-03	014_FB-1	Water	02/04/2022	02/04/2022
22B0234-04	015_LSB-1_2-4	Soil	02/04/2022	02/04/2022
22B0234-05	016_LSB-1_4-6	Soil	02/04/2022	02/04/2022
22B0234-10	022_LSB-6_8-10	Soil	02/04/2022	02/04/2022
22B0234-11	023_LSB-5_4-7	Soil	02/04/2022	02/04/2022
22B0234-13	025_LSB-5_15-17	Soil	02/04/2022	02/04/2022
22B0234-14	026_LSB-7_2-4	Soil	02/04/2022	02/04/2022
22B0234-17	029_DUP-1	Soil	02/04/2022	02/04/2022
22B0234-18	031_EB-3	Water	02/04/2022	02/04/2022

General Notes for York Project (SDG) No.: 22B0234

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:** 02/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 012_TB-2 **York Sample ID:** 22B0234-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 012_TB-2 **York Sample ID:** 22B0234-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 012_TB-2 **York Sample ID:** 22B0234-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**1.01**		ug/L	1.00	2.00	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 012_TB-2 **York Sample ID:** 22B0234-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/07/2022 06:05	02/07/2022 16:42	JTG
								Certifications:	CTDOH,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*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: 013_EB-2 **York Sample ID:** 22B0234-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:30 pm	02/04/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/10/2022 07:43	02/14/2022 20:00	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*100 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL

Sample Information

Client Sample ID: 013_EB-2 **York Sample ID:** 22B0234-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:30 pm	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*95.1 %*	*25-150*
Surrogate: M5PFHxA	*95.9 %*	*25-150*
Surrogate: M4PFHpA	*94.0 %*	*25-150*
Surrogate: M3PFHxS	*93.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.0 %*	*25-150*
Surrogate: M6PFDA	*99.6 %*	*25-150*
Surrogate: M7PFUdA	*93.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*77.9 %*	*25-150*
Surrogate: M2PFTeDA	*53.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*94.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*93.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*33.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*82.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*72.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*92.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*111 %*	*25-200*
Surrogate: M9PFNA	*101 %*	*25-150*

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**9.45**		ug/L	1.00	2.00	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/08/2022 06:47	02/08/2022 15:36	JTG
								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*	*103 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/10/2022 12:58	02/11/2022 10:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*27.6 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*13.9 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*54.7 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*61.7 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.5 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.4 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.140**	B	ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/10/2022 12:58	02/14/2022 16:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	02/10/2022 07:43	02/14/2022 20:18	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m	02/07/2022 10:45	02/07/2022 19:26	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m	02/07/2022 10:45	02/07/2022 19:26	WL
							Certifications:			

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:26	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.8 %*	*25-150*
Surrogate: M5PFHxA	*99.1 %*	*25-150*
Surrogate: M4PFHpA	*96.2 %*	*25-150*

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*92.4 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*111 %*			*25-150*					
	Surrogate: M6PFDA	*104 %*			*25-150*					
	Surrogate: M7PFUdA	*110 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*99.8 %*			*25-150*					
	Surrogate: M2PFTeDA	*80.5 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*96.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*93.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*35.8 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*118 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*105 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*95.0 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*138 %*			*25-200*					
	Surrogate: M9PFNA	*114 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B	02/08/2022 13:21	02/09/2022 19:51	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.3 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	02/08/2022 13:21	02/09/2022 00:04	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.0 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 15:06	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 15:06	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 15:06	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*67.6 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	**Aluminum**	**4.83**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**0.273**		mg/L	0.0278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**58.7**	B	mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**0.0114**		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**0.0127**		mg/L	0.00444	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**0.0354**		mg/L	0.0222	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**8.04**		mg/L	0.278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**0.0279**		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Metals, Target Analyte, ICP

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
7439-95-4	**Magnesium**	**35.8**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**2.47**		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**0.0947**		mg/L	0.0111	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**4.85**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**167**		mg/L	0.556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**0.0185**		mg/L	0.0111	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.0807**		mg/L	0.0278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/09/2022 09:48	02/09/2022 13:56	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	02/09/2022 09:48	02/09/2022 13:56	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/09/2022 09:48	02/09/2022 13:56	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/09/2022 09:48	02/09/2022 13:56	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	02/09/2022 09:48	02/09/2022 13:56	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/09/2022 09:48	02/09/2022 13:56	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/08/2022 18:20	02/08/2022 18:20	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 014_FB-1 **York Sample ID:** 22B0234-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 7:00 am	02/04/2022

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/04/2022 20:30	02/04/2022 22:16	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	*** Chromium, Trivalent**	**0.0110**		mg/L	0.0100	1	Calculation	02/11/2022 16:23	02/11/2022 18:09	PAM
							Certifications:			

Cyanide, 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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	02/08/2022 09:05	02/08/2022 17:31	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 015_LSB-1_2-4 **York Sample ID:** 22B0234-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:35 am	02/04/2022

Semivolatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	02/16/2022 09:24	02/17/2022 13:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*53.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.7 %*	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: 015_LSB-1_2-4 **York Sample ID:** 22B0234-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:35 am	02/04/2022

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5940**		mg/kg dry	5.84	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**11.9**		mg/kg dry	2.92	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**41.8**		mg/kg dry	1.75	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**452**		mg/kg dry	2.92	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**2.96**		mg/kg dry	0.350	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**25300**	B	mg/kg dry	5.84	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**34.6**		mg/kg dry	0.584	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.1**		mg/kg dry	0.467	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**445**		mg/kg dry	2.34	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**109000**		mg/kg dry	29.2	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**1420**		mg/kg dry	0.584	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3430**		mg/kg dry	5.84	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**629**		mg/kg dry	0.584	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**56.1**		mg/kg dry	1.17	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1020**		mg/kg dry	5.84	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.930**		mg/kg dry	0.584	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**441**		mg/kg dry	58.4	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	**Thallium**	**12.9**		mg/kg dry	2.92	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.1**		mg/kg dry	1.17	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**1310**	B	mg/kg dry	2.92	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 015_LSB-1_2-4 **York Sample ID:** 22B0234-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:35 am	02/04/2022

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.544**		mg/kg dry	0.0350	1	EPA 7473	02/17/2022 11:44	02/17/2022 12:08	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total 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
solids	*** % Solids**	**85.6**		%	0.100	1	SM 2540G	02/16/2022 17:46	02/17/2022 09:02	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.0089**		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.0034**	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	**2-Butanone**	**0.0086**		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.027**		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.0066**		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0051**	J	mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.0058**		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.0074**		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.0071**		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C	02/07/2022 06:57	02/08/2022 04:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0776**	J	mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.126**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0935**	J	mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.209	0.418	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.197**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.209	0.418	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.322**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.343**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.280**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.144**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.255**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.303**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0609**	J	mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.978**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.214**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.180**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.154**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**1.33**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.734**		mg/kg dry	0.0523	0.104	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.209	0.418	2	EPA 8270D	02/07/2022 12:10	02/10/2022 19:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*56.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*64.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.5 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM	02/09/2022 12:57	02/11/2022 17:34	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*78.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.318	1	EPA 537m	02/08/2022 11:34	02/10/2022 15:57	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.318	1	EPA 537m	02/08/2022 11:34	02/10/2022 15:57	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.318	1	EPA 537m	02/08/2022 11:34	02/10/2022 15:57	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.318	1	EPA 537m	02/08/2022 11:34	02/10/2022 15:57	WL
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.318	1	EPA 537m	02/08/2022 11:34	02/10/2022 15:57	WL
							Certifications:			

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.318	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 15:57	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.1 %*	*25-150*
Surrogate: M5PFHxA	*87.3 %*	*25-150*
Surrogate: M4PFHpA	*71.2 %*	*25-150*
Surrogate: M3PFHxS	*85.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*70.6 %*	*25-150*
Surrogate: M6PFDA	*70.8 %*	*25-150*
Surrogate: M7PFUdA	*69.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*66.8 %*	*25-150*
Surrogate: M2PFTeDA	*56.4 %*	*10-150*

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.7 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*76.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.0 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*68.5 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*54.7 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*77.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*76.7 %*			*25-200*					
	Surrogate: M9PFNA	*81.0 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.210	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0420	5	EPA 8081B	02/07/2022 11:57	02/10/2022 12:46	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.2 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0212	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:19	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.5 %*	*30-120*

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.130	1	EPA 8151A	02/10/2022 07:49	02/11/2022 14:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.130	1	EPA 8151A	02/10/2022 07:49	02/11/2022 14:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.130	1	EPA 8151A	02/10/2022 07:49	02/11/2022 14:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*71.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**13500**		mg/kg dry	6.38	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	3.19	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.92	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**44.9**		mg/kg dry	3.19	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.383	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2070**	B	mg/kg dry	6.38	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**17.8**		mg/kg dry	0.638	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.28**		mg/kg dry	0.511	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**12.2**		mg/kg dry	2.55	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16200**		mg/kg dry	31.9	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**29.1**		mg/kg dry	0.638	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2240**		mg/kg dry	6.38	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**181**		mg/kg dry	0.638	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**15.6**		mg/kg dry	1.28	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1210**	B	mg/kg dry	6.38	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.19	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.638	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**214**		mg/kg dry	63.8	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.19	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.3**		mg/kg dry	1.28	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**31.6**		mg/kg dry	3.19	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.692**		mg/kg dry	0.0383	1	EPA 7473	02/09/2022 15:08	02/09/2022 16:18	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.638	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 016_LSB-1_4-6 **York Sample ID:** 22B0234-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 8:40 am	02/04/2022

Chromium, Trivalent

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
16065-83-1	*** Chromium, Trivalent**	**17.8**		mg/kg	0.500	1	Calculation	02/11/2022 16:20	02/11/2022 18:09	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.638	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	*** % Solids**	**78.3**		%	0.100	1	SM 2540G	02/07/2022 13:49	02/08/2022 12:48	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	**2-Butanone**	**0.011**		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.033**		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C	02/07/2022 06:57	02/08/2022 06:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*114 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0623**	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.0716**	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0615**	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0599**	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.0654**	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.149**		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.0747**	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.113**		mg/kg dry	0.0488	0.0974	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	02/07/2022 12:10	02/10/2022 12:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*81.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*75.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*80.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.4 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM	02/09/2022 12:57	02/11/2022 17:52	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.297	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:09	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.297	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:09	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.297	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:09	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.297	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:09	WL
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.297	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:09	WL
							Certifications:			

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:09	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.9 %*	*25-150*
Surrogate: M5PFHxA	*93.3 %*	*25-150*
Surrogate: M4PFHpA	*78.1 %*	*25-150*
Surrogate: M3PFHxS	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*86.4 %*	*25-150*
Surrogate: M6PFDA	*76.4 %*	*25-150*
Surrogate: M7PFUdA	*74.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*53.5 %*	*25-150*
Surrogate: M2PFTeDA	*60.7 %*	*10-150*

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.3 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*77.6 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*72.5 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*91.2 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*70.8 %*			*25-200*					
	Surrogate: M9PFNA	*89.8 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:03	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.9 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:33	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.5 %*	*30-120*

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.5 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0239	1	EPA 8151A	02/10/2022 07:49	02/11/2022 14:34	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0239	1	EPA 8151A	02/10/2022 07:49	02/11/2022 14:34	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0239	1	EPA 8151A	02/10/2022 07:49	02/11/2022 14:34	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*66.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9130**		mg/kg dry	6.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**19.1**		mg/kg dry	3.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**32.3**		mg/kg dry	1.80	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**96.3**		mg/kg dry	3.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.52**		mg/kg dry	0.361	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**9880**	B	mg/kg dry	6.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**38.6**		mg/kg dry	0.601	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**27.2**		mg/kg dry	0.481	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**200**		mg/kg dry	2.41	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**176000**		mg/kg dry	301	10	EPA 6010D	02/08/2022 17:26	02/10/2022 13:46	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**131**		mg/kg dry	0.601	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2090**		mg/kg dry	6.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**1080**		mg/kg dry	0.601	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**34.4**		mg/kg dry	1.20	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**686**	B	mg/kg dry	6.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.601	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**132**		mg/kg dry	60.1	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	**Thallium**	**29.6**		mg/kg dry	3.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**112**		mg/kg dry	1.20	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**75.4**		mg/kg dry	3.01	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.163**		mg/kg dry	0.0361	1	EPA 7473	02/09/2022 15:08	02/09/2022 17:59	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.601	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 022_LSB-6_8-10 **York Sample ID:** 22B0234-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 11:25 am	02/04/2022

Chromium, Trivalent

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
16065-83-1	* **Chromium, Trivalent**	**38.6**		mg/kg	0.500	1	Calculation	02/11/2022 16:20	02/11/2022 18:09	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.601	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	* **% Solids**	**83.1**		%	0.100	1	SM 2540G	02/07/2022 13:49	02/08/2022 12:48	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 023_LSB-5_4-7 **York Sample ID:** 22B0234-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:30 pm	02/04/2022

Semivolatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.148**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0997**	J	mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.449**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.61**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**1.49**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.25**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.19**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1.23**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.48**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.265**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**3.17**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.130**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.45**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.81**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2.81**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/16/2022 09:24	02/17/2022 14:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*56.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.5 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*54.8 %*	*24-116*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: 023_LSB-5_4-7 **York Sample ID:** 22B0234-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:30 pm	02/04/2022

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7430**		mg/kg dry	6.10	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.82**		mg/kg dry	3.05	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**11.7**		mg/kg dry	1.83	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**1140**		mg/kg dry	3.05	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.912**		mg/kg dry	0.366	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**23600**	B	mg/kg dry	6.10	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**19.0**		mg/kg dry	0.610	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.72**		mg/kg dry	0.488	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**378**		mg/kg dry	2.44	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**27400**		mg/kg dry	30.5	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**741**		mg/kg dry	0.610	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3460**		mg/kg dry	6.10	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**359**		mg/kg dry	0.610	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**37.8**		mg/kg dry	1.22	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1110**		mg/kg dry	6.10	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.05	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.610	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**303**		mg/kg dry	61.0	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.05	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**23.5**		mg/kg dry	1.22	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**625**	B	mg/kg dry	3.05	1	EPA 6010D	02/16/2022 16:15	02/17/2022 13:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 023_LSB-5_4-7 **York Sample ID:** 22B0234-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:30 pm	02/04/2022

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.25**		mg/kg dry	0.0366	1	EPA 7473	02/17/2022 11:44	02/17/2022 13:04	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total 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
solids	*** % Solids**	**82.0**		%	0.100	1	SM 2540G	02/16/2022 17:46	02/17/2022 09:02	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	**2-Butanone**	**0.014**		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.067**		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.0040**	J	mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0069**	J	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:16	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.8 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.187	0.375	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.0636**	J	mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.0733**	J	mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.0621**	J	mg/kg dry	0.0469	0.0936	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D	02/07/2022 12:10	02/10/2022 11:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*89.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*80.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*93.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*89.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*64.0 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM	02/09/2022 12:57	02/11/2022 18:09	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*74.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.271	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:21	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.271	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:21	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.271	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:21	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.271	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:21	WL
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.271	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:21	WL
							Certifications:			

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:21	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.1 %*	*25-150*
Surrogate: M5PFHxA	*81.9 %*	*25-150*
Surrogate: M4PFHpA	*77.0 %*	*25-150*
Surrogate: M3PFHxS	*91.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*80.7 %*	*25-150*
Surrogate: M6PFDA	*70.0 %*	*25-150*
Surrogate: M7PFUdA	*63.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.8 %*	*25-150*
Surrogate: M2PFTeDA	*47.0 %*	*10-150*

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*77.7 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*55.9 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*64.3 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*83.2 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*69.4 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*68.1 %*			*25-200*					
	Surrogate: M9PFNA	*86.8 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:20	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.5 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	**Aroclor 1016**	**0.0246**		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.0246**		mg/kg dry	0.0190	1	EPA 8082A	02/07/2022 11:57	02/08/2022 19:46	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.0 %*	*30-120*

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.0 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0229	1	EPA 8151A	02/08/2022 13:32	02/09/2022 14:20	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A	02/08/2022 13:32	02/09/2022 14:20	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A	02/08/2022 13:32	02/09/2022 14:20	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*53.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8640**		mg/kg dry	5.74	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.87	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**52.3**		mg/kg dry	2.87	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.345	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8310**	B	mg/kg dry	5.74	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.0**		mg/kg dry	0.574	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.33**		mg/kg dry	0.459	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**41.0**		mg/kg dry	2.30	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**19400**		mg/kg dry	28.7	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**36.0**		mg/kg dry	0.574	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**2380**		mg/kg dry	5.74	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**487**		mg/kg dry	0.574	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.8**		mg/kg dry	1.15	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1060**	B	mg/kg dry	5.74	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.574	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**138**		mg/kg dry	57.4	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**27.0**		mg/kg dry	1.15	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**43.9**		mg/kg dry	2.87	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0955**		mg/kg dry	0.0345	1	EPA 7473	02/09/2022 15:08	02/09/2022 18:07	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.574	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Information

Client Sample ID: 025_LSB-5_15-17 **York Sample ID:** 22B0234-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 1:45 pm	02/04/2022

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	16.0		mg/kg	0.500	1	Calculation	02/11/2022 16:20	02/11/2022 18:09	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.574	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	* % Solids	87.1		%	0.100	1	SM 2540G	02/07/2022 13:49	02/08/2022 12:48	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0080**	J	mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C	02/08/2022 06:07	02/09/2022 06:44	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.8 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.772**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**4.55**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**1.38**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.934	1.87	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**6.90**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.934	1.87	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**11.6**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**9.58**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**7.91**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**3.89**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**7.80**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.466	0.932	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**3.45**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**11.7**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.790**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**34.0**		mg/kg dry	2.34	4.66	100	EPA 8270D	02/07/2022 12:10	02/10/2022 18:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**3.94**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.42**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**1.57**		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**23.8**		mg/kg dry	2.34	4.66	100	EPA 8270D	02/07/2022 12:10	02/10/2022 18:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.234	0.466	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**18.3**		mg/kg dry	2.34	4.66	100	EPA 8270D	02/07/2022 12:10	02/10/2022 18:46	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.934	1.87	10	EPA 8270D	02/07/2022 12:10	02/10/2022 11:56	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*89.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*83.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*88.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*75.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.0 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM	02/09/2022 12:57	02/11/2022 18:26	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*70.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.280	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:34	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.280	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:34	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.280	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:34	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.280	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:34	WL
							Certifications:			
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**0.483**		ug/kg dry	0.280	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:34	WL
							Certifications:			

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:34	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.8 %*	*25-150*
Surrogate: M5PFHxA	*90.9 %*	*25-150*
Surrogate: M4PFHpA	*76.9 %*	*25-150*
Surrogate: M3PFHxS	*90.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*86.4 %*	*25-150*
Surrogate: M6PFDA	*73.3 %*	*25-150*
Surrogate: M7PFUdA	*74.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*67.4 %*	*25-150*
Surrogate: M2PFTeDA	*50.3 %*	*10-150*

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.0 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.6 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*71.2 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*65.1 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*71.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*75.2 %*			*25-200*					
	Surrogate: M9PFNA	*86.2 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:37	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.7 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:00	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.5 %*	*30-120*

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*31.0 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A	02/08/2022 13:32	02/09/2022 15:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A	02/08/2022 13:32	02/09/2022 15:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A	02/08/2022 13:32	02/09/2022 15:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*55.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11000**		mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**73.7**		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3510**	B	mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.4**		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.22**		mg/kg dry	0.455	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**37.0**		mg/kg dry	2.27	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**19900**		mg/kg dry	28.4	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**87.6**		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2470**		mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**308**		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**19.5**		mg/kg dry	1.14	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1260**	B	mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**301**		mg/kg dry	56.9	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**30.9**		mg/kg dry	1.14	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**85.4**		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 21:58	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.556**		mg/kg dry	0.0341	1	EPA 7473	02/09/2022 15:08	02/09/2022 18:17	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.569	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 026_LSB-7_2-4 **York Sample ID:** 22B0234-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:30 pm	02/04/2022

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	20.4		mg/kg	0.500	1	Calculation	02/11/2022 16:20	02/11/2022 18:09	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.569	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	* % Solids	87.9		%	0.100	1	SM 2540G	02/07/2022 13:49	02/08/2022 12:48	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.066	0.13	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0099	0.020	1	EPA 8260C	02/08/2022 06:07	02/09/2022 08:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.4 %*	*76-130*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**1.81**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**2.75**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.413**	J	mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.940	1.88	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**5.14**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.940	1.88	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**7.76**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**8.35**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**5.93**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**3.72**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**5.92**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.469	0.938	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**2.31**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**7.86**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1.27**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**15.1**		mg/kg dry	2.35	4.69	100	EPA 8270D	02/07/2022 12:10	02/10/2022 19:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**3.66**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.14**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**5.01**		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**15.7**		mg/kg dry	2.35	4.69	100	EPA 8270D	02/07/2022 12:10	02/10/2022 19:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.235	0.469	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**9.72**		mg/kg dry	2.35	4.69	100	EPA 8270D	02/07/2022 12:10	02/10/2022 19:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.940	1.88	10	EPA 8270D	02/07/2022 12:10	02/10/2022 12:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*111 %*	S-08	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*114 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*112 %*	S-08	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*89.2 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*88.6 %*		*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.0 %*		*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM	02/09/2022 12:57	02/11/2022 18:43	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.268	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:46	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.268	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:46	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.268	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:46	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.268	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:46	WL
							Certifications:			
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**0.336**		ug/kg dry	0.268	1	EPA 537m	02/08/2022 11:34	02/10/2022 16:46	WL
							Certifications:			

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 16:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*76.0 %*	*25-150*
Surrogate: M5PFHxA	*80.1 %*	*25-150*
Surrogate: M4PFHpA	*77.7 %*	*25-150*
Surrogate: M3PFHxS	*77.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*85.1 %*	*25-150*
Surrogate: M6PFDA	*75.8 %*	*25-150*
Surrogate: M7PFUdA	*59.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*66.0 %*	*25-150*
Surrogate: M2PFTeDA	*43.6 %*	*10-150*

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*80.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.2 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*64.0 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*57.6 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*75.2 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*53.8 %*			*25-200*					
	Surrogate: M9PFNA	*88.0 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	02/07/2022 11:57	02/10/2022 13:54	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.2 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	02/07/2022 11:57	02/08/2022 20:14	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.0 %*	*30-120*

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*			*30-120*					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:06	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:06	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:06	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*62.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9610**		mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.04**		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**85.2**		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.362**		mg/kg dry	0.341	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3870**	B	mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**22.6**		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.07**		mg/kg dry	0.455	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**54.0**		mg/kg dry	2.27	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**19600**		mg/kg dry	28.4	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**107**		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2840**		mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**353**		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**22.9**		mg/kg dry	1.14	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1320**	B	mg/kg dry	5.69	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.569	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**357**		mg/kg dry	56.9	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**30.3**		mg/kg dry	1.14	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**97.9**		mg/kg dry	2.84	1	EPA 6010D	02/08/2022 17:26	02/09/2022 22:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.469**		mg/kg dry	0.0341	1	EPA 7473	02/09/2022 15:08	02/09/2022 18:30	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.569	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Information

Client Sample ID: 029_DUP-1 **York Sample ID:** 22B0234-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Soil	February 4, 2022 2:45 pm	02/04/2022

Chromium, Trivalent

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
16065-83-1	* **Chromium, Trivalent**	**22.6**		mg/kg	0.500	1	Calculation	02/11/2022 16:20	02/11/2022 18:09	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.569	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total 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
solids	* **% Solids**	**87.9**		%	0.100	1	SM 2540G	02/07/2022 13:49	02/08/2022 12:48	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: 031_EB-3 **York Sample ID:** 22B0234-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:05 pm	02/04/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/10/2022 07:43	02/14/2022 20:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL

Sample Information

Client Sample ID: 031_EB-3 **York Sample ID:** 22B0234-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0234	100964201	Water	February 4, 2022 3:05 pm	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:38	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.3 %*	*25-150*
Surrogate: M5PFHxA	*97.5 %*	*25-150*
Surrogate: M4PFHpA	*93.1 %*	*25-150*
Surrogate: M3PFHxS	*97.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*94.8 %*	*25-150*
Surrogate: M6PFDA	*98.6 %*	*25-150*
Surrogate: M7PFUdA	*84.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.5 %*	*25-150*
Surrogate: M2PFTeDA	*50.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*93.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*96.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*92.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*36.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*74.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*70.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*99.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*115 %*	*25-200*
Surrogate: M9PFNA	*105 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21448 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/04/22
BB21448-BLK1	Blank	02/04/22
BB21448-BS1	LCS	02/04/22
BB21448-DUP1	Duplicate	02/04/22
BB21448-MS1	Matrix Spike	02/04/22

Batch ID: BB21475 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/07/22
22B0234-10	022_LSB-6_8-10	02/07/22
22B0234-13	025_LSB-5_15-17	02/07/22
22B0234-14	026_LSB-7_2-4	02/07/22
22B0234-17	029_DUP-1	02/07/22
BB21475-BLK1	Blank	02/07/22
BB21475-DUP1	Duplicate	02/07/22
BB21475-MS1	Matrix Spike	02/07/22
BB21475-SRM1	Reference	02/07/22

Batch ID: BB21486 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-02	013_EB-2	02/07/22
22B0234-03	014_FB-1	02/07/22
22B0234-18	031_EB-3	02/07/22
BB21486-BLK1	Blank	02/07/22
BB21486-BS1	LCS	02/07/22
BB21486-BSD1	LCS Dup	02/07/22

Batch ID: BB21494 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/07/22
22B0234-05	016_LSB-1_4-6	02/07/22
22B0234-10	022_LSB-6_8-10	02/07/22
22B0234-10	022_LSB-6_8-10	02/07/22
22B0234-13	025_LSB-5_15-17	02/07/22
22B0234-13	025_LSB-5_15-17	02/07/22
22B0234-14	026_LSB-7_2-4	02/07/22
22B0234-14	026_LSB-7_2-4	02/07/22
22B0234-17	029_DUP-1	02/07/22
22B0234-17	029_DUP-1	02/07/22
BB21494-BLK1	Blank	02/07/22
BB21494-BLK2	Blank	02/07/22

BB21494-BS1	LCS	02/07/22
BB21494-BS2	LCS	02/07/22
BB21494-MS2	Matrix Spike	02/07/22
BB21494-MSD2	Matrix Spike Dup	02/07/22

Batch ID: BB21496 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/07/22
22B0234-10	022_LSB-6_8-10	02/07/22
22B0234-13	025_LSB-5_15-17	02/07/22
22B0234-14	026_LSB-7_2-4	02/07/22
22B0234-14RE1	026_LSB-7_2-4	02/07/22
22B0234-17	029_DUP-1	02/07/22
22B0234-17RE1	029_DUP-1	02/07/22
BB21496-BLK1	Blank	02/07/22
BB21496-BS1	LCS	02/07/22
BB21496-MS1	Matrix Spike	02/07/22
BB21496-MSD1	Matrix Spike Dup	02/07/22

Batch ID: BB21525 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-01	012_TB-2	02/07/22
BB21525-BLK1	Blank	02/07/22
BB21525-BS1	LCS	02/07/22
BB21525-BSD1	LCS Dup	02/07/22

Batch ID: BB21531 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/07/22
22B0234-10	022_LSB-6_8-10	02/07/22
BB21531-BLK1	Blank	02/07/22
BB21531-BS1	LCS	02/07/22
BB21531-BSD1	LCS Dup	02/07/22

Batch ID: BB21562 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/08/22
BB21562-BLK1	Blank	02/08/22
BB21562-BS1	LCS	02/08/22
BB21562-DUP1	Duplicate	02/08/22
BB21562-MS1	Matrix Spike	02/08/22

Batch ID: BB21569 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/08/22
22B0234-10	022_LSB-6_8-10	02/08/22
22B0234-13	025_LSB-5_15-17	02/08/22
22B0234-14	026_LSB-7_2-4	02/08/22
22B0234-17	029_DUP-1	02/08/22
BB21569-BLK1	Blank	02/08/22
BB21569-BS1	LCS	02/08/22
BB21569-MS1	Matrix Spike	02/08/22
BB21569-MSD1	Matrix Spike Dup	02/08/22

Batch ID: BB21581 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/08/22
22B0234-03	014_FB-1	02/08/22
BB21581-BLK1	Blank	02/08/22
BB21581-BLK2	Blank	02/08/22
BB21581-BLK2	Blank	02/08/22
BB21581-BS1	LCS	02/08/22
BB21581-BS2	LCS	02/08/22
BB21581-BS2	LCS	02/08/22
BB21581-BSD1	LCS Dup	02/08/22
BB21581-BSD2	LCS Dup	02/08/22
BB21581-BSD2	LCS Dup	02/08/22

Batch ID: BB21582 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-13	025_LSB-5_15-17	02/08/22
22B0234-14	026_LSB-7_2-4	02/08/22
22B0234-17	029_DUP-1	02/08/22
BB21582-BLK1	Blank	02/08/22
BB21582-BS1	LCS	02/08/22
BB21582-MS1	Matrix Spike	02/08/22
BB21582-MSD1	Matrix Spike Dup	02/08/22

Batch ID: BB21591 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/08/22
BB21591-BLK1	Blank	02/08/22
BB21591-BS1	LCS	02/08/22
BB21591-BSD1	LCS Dup	02/08/22

Batch ID: BB21595 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date

22B0234-03	014_FB-1	02/08/22
BB21595-BLK1	Blank	02/08/22
BB21595-BS1	LCS	02/08/22
BB21595-DUP1	Duplicate	02/08/22
BB21595-MS1	Matrix Spike	02/08/22
BB21595-PS1	Post Spike	02/08/22

Batch ID: BB21604 **Preparation Method:** Analysis Preparation Soil **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/08/22
22B0234-10	022_LSB-6_8-10	02/08/22
22B0234-13	025_LSB-5_15-17	02/08/22
22B0234-14	026_LSB-7_2-4	02/08/22
22B0234-17	029_DUP-1	02/08/22
BB21604-BLK1	Blank	02/08/22
BB21604-DUP1	Duplicate	02/08/22
BB21604-MS1	Matrix Spike	02/08/22
BB21604-SRM1	Reference	02/08/22

Batch ID: BB21610 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/08/22
22B0234-10	022_LSB-6_8-10	02/08/22
22B0234-10RE1	022_LSB-6_8-10	02/08/22
22B0234-13	025_LSB-5_15-17	02/08/22
22B0234-14	026_LSB-7_2-4	02/08/22
22B0234-17	029_DUP-1	02/08/22
BB21610-BLK1	Blank	02/08/22
BB21610-DUP1	Duplicate	02/08/22
BB21610-MS1	Matrix Spike	02/08/22
BB21610-PS1	Post Spike	02/08/22
BB21610-SRM1	Reference	02/08/22

Batch ID: BB21619 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/08/22
BB21619-BLK1	Blank	02/08/22
BB21619-BS1	LCS	02/08/22
BB21619-BS2	LCS	02/08/22

Batch ID: BB21640 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/09/22
BB21640-BLK1	Blank	02/09/22
BB21640-BS1	LCS	02/09/22

BB21640-DUP1	Duplicate	02/09/22
BB21640-MS1	Matrix Spike	02/09/22

Batch ID: BB21643 **Preparation Method:** EPA 8151A **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/10/22
BB21643-BLK1	Blank	02/10/22
BB21643-BS1	LCS	02/10/22

Batch ID: BB21656 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/09/22
22B0234-10	022_LSB-6_8-10	02/09/22
22B0234-13	025_LSB-5_15-17	02/09/22
22B0234-14	026_LSB-7_2-4	02/09/22
22B0234-17	029_DUP-1	02/09/22
BB21656-BLK1	Blank	02/09/22
BB21656-BS1	LCS	02/09/22
BB21656-MS1	Matrix Spike	02/09/22
BB21656-MSD1	Matrix Spike Dup	02/09/22

Batch ID: BB21663 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-13	025_LSB-5_15-17	02/08/22
22B0234-14	026_LSB-7_2-4	02/08/22
22B0234-17	029_DUP-1	02/08/22
BB21663-BLK1	Blank	02/08/22
BB21663-BLK2	Blank	02/08/22
BB21663-BS1	LCS	02/08/22
BB21663-BSD1	LCS Dup	02/08/22

Batch ID: BB21670 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/09/22
22B0234-10	022_LSB-6_8-10	02/09/22
22B0234-13	025_LSB-5_15-17	02/09/22
22B0234-14	026_LSB-7_2-4	02/09/22
22B0234-17	029_DUP-1	02/09/22
BB21670-BLK1	Blank	02/09/22
BB21670-DUP1	Duplicate	02/09/22
BB21670-MS1	Matrix Spike	02/09/22
BB21670-SRM1	Reference	02/09/22

Batch ID: BB21707 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-02	013_EB-2	02/10/22
22B0234-03	014_FB-1	02/10/22
22B0234-18	031_EB-3	02/10/22
BB21707-BLK1	Blank	02/10/22
BB21707-BS1	LCS	02/10/22
BB21707-MS1	Matrix Spike	02/10/22
BB21707-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21710 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/10/22
22B0234-10	022_LSB-6_8-10	02/10/22
BB21710-BLK1	Blank	02/10/22
BB21710-BS1	LCS	02/10/22
BB21710-MS1	Matrix Spike	02/10/22
BB21710-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21747 **Preparation Method:** EPA 3510C **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/10/22
BB21747-BLK1	Blank	02/10/22
BB21747-BLK2	Blank	02/10/22
BB21747-BS1	LCS	02/10/22
BB21747-BS2	LCS	02/10/22
BB21747-BSD1	LCS Dup	02/10/22

Batch ID: BB21841 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/11/22
22B0234-10	022_LSB-6_8-10	02/11/22
22B0234-13	025_LSB-5_15-17	02/11/22
22B0234-14	026_LSB-7_2-4	02/11/22
22B0234-17	029_DUP-1	02/11/22

Batch ID: BB21842 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-03	014_FB-1	02/11/22

Batch ID: BB22042 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date

22B0234-04	015_LSB-1_2-4	02/16/22
22B0234-11	023_LSB-5_4-7	02/16/22

Batch ID: BB22088 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-04	015_LSB-1_2-4	02/16/22
22B0234-11	023_LSB-5_4-7	02/16/22
BB22088-BLK1	Blank	02/16/22
BB22088-DUP1	Duplicate	02/16/22
BB22088-MS1	Matrix Spike	02/16/22
BB22088-PS1	Post Spike	02/16/22
BB22088-SRM1	Reference	02/16/22

Batch ID: BB22095 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-04	015_LSB-1_2-4	02/16/22
22B0234-11	023_LSB-5_4-7	02/16/22
BB22095-DUP1	Duplicate	02/16/22

Batch ID: BB22143 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-04	015_LSB-1_2-4	02/17/22
22B0234-11	023_LSB-5_4-7	02/17/22
BB22143-BLK1	Blank	02/17/22
BB22143-DUP1	Duplicate	02/17/22
BB22143-MS1	Matrix Spike	02/17/22
BB22143-SRM1	Reference	02/17/22

Batch ID: BC10009 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0234-05	016_LSB-1_4-6	02/07/22
22B0234-10	022_LSB-6_8-10	02/07/22
22B0234-13	025_LSB-5_15-17	02/07/22
22B0234-14	026_LSB-7_2-4	02/07/22
22B0234-17	029_DUP-1	02/07/22
BC10009-DUP1	Duplicate	02/07/22

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 BB21525 - EPA 5030B											
Blank (BB21525-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								

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 BB21525 - EPA 5030B											
Blank (BB21525-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*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 BB21525 - EPA 5030B											
LCS (BB21525-BS1) LCS							Prepared & Analyzed: 02/07/2022				
1,1,1,2-Tetrachloroethane	9.08		ug/L	10.0		90.8	82-126				
1,1,1-Trichloroethane	9.22		"	10.0		92.2	78-136				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.85		"	10.0		98.5	54-165				
1,1,2-Trichloroethane	8.76		"	10.0		87.6	82-123				
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129				
1,1-Dichloroethylene	10.6		"	10.0		106	68-138				
1,1-Dichloropropylene	9.24		"	10.0		92.4	83-133				
1,2,3-Trichlorobenzene	7.78		"	10.0		77.8	76-136				
1,2,3-Trichloropropane	9.55		"	10.0		95.5	77-128				
1,2,4-Trichlorobenzene	8.12		"	10.0		81.2	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	9.41		"	10.0		94.1	45-147				
1,2-Dibromoethane	8.86		"	10.0		88.6	83-124				
1,2-Dichlorobenzene	9.92		"	10.0		99.2	79-123				
1,2-Dichloroethane	9.48		"	10.0		94.8	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131				
1,3-Dichlorobenzene	9.48		"	10.0		94.8	86-122				
1,3-Dichloropropane	9.13		"	10.0		91.3	81-125				
1,4-Dichlorobenzene	9.66		"	10.0		96.6	85-124				
1,4-Dioxane	216		"	210		103	10-349				
2,2-Dichloropropane	10.1		"	10.0		101	56-150				
2-Butanone	9.33		"	10.0		93.3	49-152				
2-Chlorotoluene	10.8		"	10.0		108	79-130				
2-Hexanone	9.80		"	10.0		98.0	51-146				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
4-Methyl-2-pentanone	9.72		"	10.0		97.2	57-145				
Acetone	8.77		"	10.0		87.7	14-150				
Acrolein	4.75		"	10.0		47.5	10-153				
Acrylonitrile	9.37		"	10.0		93.7	51-150				
Benzene	9.82		"	10.0		98.2	85-126				
Bromobenzene	10.5		"	10.0		105	78-129				
Bromochloromethane	9.91		"	10.0		99.1	77-128				
Bromodichloromethane	9.32		"	10.0		93.2	79-128				
Bromoform	8.08		"	10.0		80.8	78-133				
Bromomethane	2.32		"	10.0		23.2	43-168	Low Bias			
Carbon disulfide	10.2		"	10.0		102	68-146				
Carbon tetrachloride	9.21		"	10.0		92.1	77-141				
Chlorobenzene	9.96		"	10.0		99.6	88-120				
Chloroethane	10.6		"	10.0		106	65-136				
Chloroform	9.56		"	10.0		95.6	82-128				
Chloromethane	9.48		"	10.0		94.8	43-155				
cis-1,2-Dichloroethylene	9.93		"	10.0		99.3	83-129				
cis-1,3-Dichloropropylene	9.52		"	10.0		95.2	80-131				
Cyclohexane	7.45		"	10.0		74.5	63-149				
Dibromochloromethane	8.36		"	10.0		83.6	80-130				
Dibromomethane	9.00		"	10.0		90.0	72-134				
Dichlorodifluoromethane	12.6		"	10.0		126	44-144				
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	9.51		"	10.0		95.1	67-146				

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 BB21525 - EPA 5030B											
LCS (BB21525-BS1) LCS								Prepared & Analyzed: 02/07/2022			
Isopropylbenzene	11.3		ug/L	10.0		113	76-140				
Methyl acetate	9.02		"	10.0		90.2	51-139				
Methyl tert-butyl ether (MTBE)	8.83		"	10.0		88.3	76-135				
Methylcyclohexane	9.92		"	10.0		99.2	72-143				
Methylene chloride	9.69		"	10.0		96.9	55-137				
n-Butylbenzene	11.6		"	10.0		116	79-132				
n-Propylbenzene	11.6		"	10.0		116	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	18.2		"	20.0		90.8	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	9.93		"	10.0		99.3	67-132				
tert-Butyl alcohol (TBA)	37.7		"	50.0		75.4	25-162				
tert-Butylbenzene	8.58		"	10.0		85.8	77-138				
Tetrachloroethylene	8.72		"	10.0		87.2	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	78-131				
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl acetate	11.7		"	10.0		117	21-90	High Bias			
Vinyl Chloride	12.5		"	10.0		125	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.82*		*"*	*10.0*		*98.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.2*		*"*	*10.0*		*112*	*79-122*				
LCS Dup (BB21525-BSD1) LCS Dup								Prepared & Analyzed: 02/07/2022			
1,1,1,2-Tetrachloroethane	8.78		ug/L	10.0		87.8	82-126		3.36	30	
1,1,1-Trichloroethane	8.67		"	10.0		86.7	78-136		6.15	30	
1,1,2,2-Tetrachloroethane	9.99		"	10.0		99.9	76-129		1.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24		"	10.0		92.4	54-165		6.39	30	
1,1,2-Trichloroethane	8.92		"	10.0		89.2	82-123		1.81	30	
1,1-Dichloroethane	9.28		"	10.0		92.8	82-129		6.16	30	
1,1-Dichloroethylene	9.73		"	10.0		97.3	68-138		8.09	30	
1,1-Dichloropropylene	8.65		"	10.0		86.5	83-133		6.60	30	
1,2,3-Trichlorobenzene	7.82		"	10.0		78.2	76-136		0.513	30	
1,2,3-Trichloropropane	9.54		"	10.0		95.4	77-128		0.105	30	
1,2,4-Trichlorobenzene	7.99		"	10.0		79.9	76-137		1.61	30	
1,2,4-Trimethylbenzene	9.67		"	10.0		96.7	82-132		8.89	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147		6.68	30	
1,2-Dibromoethane	9.02		"	10.0		90.2	83-124		1.79	30	
1,2-Dichlorobenzene	9.38		"	10.0		93.8	79-123		5.60	30	
1,2-Dichloroethane	9.31		"	10.0		93.1	73-132		1.81	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		3.18	30	
1,3,5-Trimethylbenzene	9.72		"	10.0		97.2	80-131		9.69	30	
1,3-Dichlorobenzene	8.77		"	10.0		87.7	86-122		7.78	30	
1,3-Dichloropropane	9.23		"	10.0		92.3	81-125		1.09	30	
1,4-Dichlorobenzene	8.96		"	10.0		89.6	85-124		7.52	30	
1,4-Dioxane	228		"	210		109	10-349		5.52	30	
2,2-Dichloropropane	9.41		"	10.0		94.1	56-150		7.47	30	
2-Butanone	9.41		"	10.0		94.1	49-152		0.854	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 BB21525 - EPA 5030B											
LCS Dup (BB21525-BSD1) LCS Dup								Prepared & Analyzed: 02/07/2022			
2-Chlorotoluene	9.81		ug/L	10.0		98.1	79-130		9.61	30	
2-Hexanone	10.3		"	10.0		103	51-146		4.98	30	
4-Chlorotoluene	9.90		"	10.0		99.0	79-128		9.89	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145		4.62	30	
Acetone	9.43		"	10.0		94.3	14-150		7.25	30	
Acrolein	4.87		"	10.0		48.7	10-153		2.49	30	
Acrylonitrile	9.92		"	10.0		99.2	51-150		5.70	30	
Benzene	9.31		"	10.0		93.1	85-126		5.33	30	
Bromobenzene	9.82		"	10.0		98.2	78-129		6.31	30	
Bromochloromethane	9.64		"	10.0		96.4	77-128		2.76	30	
Bromodichloromethane	9.06		"	10.0		90.6	79-128		2.83	30	
Bromoform	8.24		"	10.0		82.4	78-133		1.96	30	
Bromomethane	2.71		"	10.0		27.1	43-168	Low Bias	15.5	30	
Carbon disulfide	9.29		"	10.0		92.9	68-146		8.85	30	
Carbon tetrachloride	8.66		"	10.0		86.6	77-141		6.16	30	
Chlorobenzene	9.51		"	10.0		95.1	88-120		4.62	30	
Chloroethane	9.64		"	10.0		96.4	65-136		9.30	30	
Chloroform	9.14		"	10.0		91.4	82-128		4.49	30	
Chloromethane	8.11		"	10.0		81.1	43-155		15.6	30	
cis-1,2-Dichloroethylene	9.44		"	10.0		94.4	83-129		5.06	30	
cis-1,3-Dichloropropylene	9.31		"	10.0		93.1	80-131		2.23	30	
Cyclohexane	7.00		"	10.0		70.0	63-149		6.23	30	
Dibromochloromethane	8.36		"	10.0		83.6	80-130		0.00	30	
Dibromomethane	9.10		"	10.0		91.0	72-134		1.10	30	
Dichlorodifluoromethane	10.9		"	10.0		109	44-144		14.0	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		5.52	30	
Hexachlorobutadiene	9.56		"	10.0		95.6	67-146		0.524	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		10.1	30	
Methyl acetate	9.48		"	10.0		94.8	51-139		4.97	30	
Methyl tert-butyl ether (MTBE)	8.96		"	10.0		89.6	76-135		1.46	30	
Methylcyclohexane	9.40		"	10.0		94.0	72-143		5.38	30	
Methylene chloride	9.28		"	10.0		92.8	55-137		4.32	30	
n-Butylbenzene	10.7		"	10.0		107	79-132		8.17	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		10.7	30	
o-Xylene	9.89		"	10.0		98.9	78-130		4.35	30	
p- & m- Xylenes	17.2		"	20.0		85.8	77-133		5.61	30	
p-Isopropyltoluene	9.72		"	10.0		97.2	81-136		8.76	30	
sec-Butylbenzene	9.91		"	10.0		99.1	79-137		9.42	30	
Styrene	9.34		"	10.0		93.4	67-132		6.12	30	
tert-Butyl alcohol (TBA)	42.0		"	50.0		83.9	25-162		10.7	30	
tert-Butylbenzene	7.79		"	10.0		77.9	77-138		9.65	30	
Tetrachloroethylene	8.19		"	10.0		81.9	82-131	Low Bias	6.27	30	
Toluene	9.57		"	10.0		95.7	80-127		4.99	30	
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	80-132		7.04	30	
trans-1,3-Dichloropropylene	9.13		"	10.0		91.3	78-131		0.764	30	
Trichloroethylene	8.98		"	10.0		89.8	82-128		5.42	30	
Trichlorofluoromethane	9.56		"	10.0		95.6	67-139		9.85	30	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	4.93	30	
Vinyl Chloride	10.7		"	10.0		107	58-145		15.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				

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 BB21525 - EPA 5030B											
LCS Dup (BB21525-BSD1) LCS Dup									Prepared & Analyzed: 02/07/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*ug/L*	*10.0*		*107*	*79-122*				
Batch BB21531 - EPA 5035A											
Blank (BB21531-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								

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 BB21531 - EPA 5035A											
Blank (BB21531-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.6*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.3*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

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 BB21531 - EPA 5035A											
LCS (BB21531-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	46.8		ug/L	50.0		93.6	75-129				
1,1,1-Trichloroethane	43.9		"	50.0		87.9	71-137				
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.6		"	50.0		93.1	58-146				
1,1,2-Trichloroethane	46.7		"	50.0		93.5	83-123				
1,1-Dichloroethane	44.2		"	50.0		88.4	75-130				
1,1-Dichloroethylene	46.3		"	50.0		92.7	64-137				
1,1-Dichloropropylene	41.0		"	50.0		82.1	77-127				
1,2,3-Trichlorobenzene	46.8		"	50.0		93.6	81-140				
1,2,3-Trichloropropane	48.5		"	50.0		97.0	81-126				
1,2,4-Trichlorobenzene	45.9		"	50.0		91.9	80-141				
1,2,4-Trimethylbenzene	47.8		"	50.0		95.5	84-125				
1,2-Dibromo-3-chloropropane	49.7		"	50.0		99.3	74-142				
1,2-Dibromoethane	48.7		"	50.0		97.4	86-123				
1,2-Dichlorobenzene	47.0		"	50.0		94.0	85-122				
1,2-Dichloroethane	45.2		"	50.0		90.4	71-133				
1,2-Dichloropropane	49.7		"	50.0		99.5	81-122				
1,3,5-Trimethylbenzene	46.9		"	50.0		93.8	82-126				
1,3-Dichlorobenzene	45.5		"	50.0		91.0	84-124				
1,3-Dichloropropane	47.2		"	50.0		94.3	83-123				
1,4-Dichlorobenzene	46.2		"	50.0		92.5	84-124				
1,4-Dioxane	1310		"	1050		125	10-228				
2,2-Dichloropropane	43.0		"	50.0		86.1	67-136				
2-Butanone	44.1		"	50.0		88.2	58-147				
2-Chlorotoluene	47.4		"	50.0		94.9	78-127				
2-Hexanone	50.9		"	50.0		102	70-139				
4-Chlorotoluene	47.3		"	50.0		94.6	79-125				
4-Methyl-2-pentanone	53.7		"	50.0		107	72-132				
Acetone	24.3		"	50.0		48.5	36-155				
Acrolein	25.6		"	50.0		51.2	10-238				
Acrylonitrile	44.0		"	50.0		88.1	66-141				
Benzene	44.6		"	50.0		89.1	77-127				
Bromobenzene	47.1		"	50.0		94.1	77-129				
Bromochloromethane	43.7		"	50.0		87.4	74-129				
Bromodichloromethane	48.5		"	50.0		97.0	81-124				
Bromoform	51.4		"	50.0		103	80-136				
Bromomethane	44.9		"	50.0		89.9	32-177				
Carbon disulfide	48.8		"	50.0		97.6	10-136				
Carbon tetrachloride	45.0		"	50.0		90.0	66-143				
Chlorobenzene	48.4		"	50.0		96.9	86-120				
Chloroethane	43.9		"	50.0		87.9	51-142				
Chloroform	44.8		"	50.0		89.6	76-131				
Chloromethane	49.3		"	50.0		98.6	49-132				
cis-1,2-Dichloroethylene	44.8		"	50.0		89.5	74-132				
cis-1,3-Dichloropropylene	48.2		"	50.0		96.4	81-129				
Cyclohexane	37.6		"	50.0		75.2	70-130				
Dibromochloromethane	48.7		"	50.0		97.4	10-200				
Dibromomethane	47.5		"	50.0		95.0	83-124				
Dichlorodifluoromethane	47.0		"	50.0		94.0	28-158				
Ethyl Benzene	47.9		"	50.0		95.8	84-125				
Hexachlorobutadiene	46.8		"	50.0		93.7	83-133				

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 BB21531 - EPA 5035A											
LCS (BB21531-BS1) LCS								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Isopropylbenzene	50.3		ug/L	50.0		101	81-127				
Methyl acetate	44.5		"	50.0		88.9	41-143				
Methyl tert-butyl ether (MTBE)	46.8		"	50.0		93.6	74-131				
Methylcyclohexane	49.8		"	50.0		99.5	70-130				
Methylene chloride	44.5		"	50.0		89.0	57-141				
n-Butylbenzene	45.8		"	50.0		91.5	80-130				
n-Propylbenzene	47.1		"	50.0		94.2	74-136				
o-Xylene	50.1		"	50.0		100	83-123				
p- & m- Xylenes	96.4		"	100		96.4	82-128				
p-Isopropyltoluene	48.2		"	50.0		96.4	85-125				
sec-Butylbenzene	48.2		"	50.0		96.5	83-125				
Styrene	48.1		"	50.0		96.1	86-126				
tert-Butyl alcohol (TBA)	181		"	250		72.3	70-130				
tert-Butylbenzene	42.6		"	50.0		85.2	80-127				
Tetrachloroethylene	43.8		"	50.0		87.5	80-129				
Toluene	46.6		"	50.0		93.1	85-121				
trans-1,2-Dichloroethylene	45.6		"	50.0		91.1	72-132				
trans-1,3-Dichloropropylene	47.8		"	50.0		95.5	78-132				
Trichloroethylene	48.3		"	50.0		96.5	84-123				
Trichlorofluoromethane	44.3		"	50.0		88.6	62-140				
Vinyl acetate	54.6		"	50.0		109	67-136				
Vinyl Chloride	44.4		"	50.0		88.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.4*		*"*	*50.0*		*98.8*	*76-130*				
LCS Dup (BB21531-BSD1) LCS Dup								Prepared: 02/07/2022 Analyzed: 02/08/2022			
1,1,1,2-Tetrachloroethane	47.6		ug/L	50.0		95.1	75-129		1.67	30	
1,1,1-Trichloroethane	44.4		"	50.0		88.8	71-137		1.04	30	
1,1,2,2-Tetrachloroethane	49.4		"	50.0		98.9	79-129		1.86	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		91.9	58-146		1.32	30	
1,1,2-Trichloroethane	47.2		"	50.0		94.5	83-123		1.04	30	
1,1-Dichloroethane	43.7		"	50.0		87.3	75-130		1.25	30	
1,1-Dichloroethylene	45.9		"	50.0		91.8	64-137		0.911	30	
1,1-Dichloropropylene	41.1		"	50.0		82.2	77-127		0.146	30	
1,2,3-Trichlorobenzene	49.3		"	50.0		98.6	81-140		5.25	30	
1,2,3-Trichloropropane	48.9		"	50.0		97.9	81-126		0.841	30	
1,2,4-Trichlorobenzene	50.0		"	50.0		100	80-141		8.44	30	
1,2,4-Trimethylbenzene	49.6		"	50.0		99.2	84-125		3.84	30	
1,2-Dibromo-3-chloropropane	50.8		"	50.0		102	74-142		2.27	30	
1,2-Dibromoethane	49.1		"	50.0		98.1	86-123		0.736	30	
1,2-Dichlorobenzene	48.8		"	50.0		97.6	85-122		3.74	30	
1,2-Dichloroethane	45.0		"	50.0		90.1	71-133		0.333	30	
1,2-Dichloropropane	49.7		"	50.0		99.3	81-122		0.121	30	
1,3,5-Trimethylbenzene	49.2		"	50.0		98.4	82-126		4.72	30	
1,3-Dichlorobenzene	47.9		"	50.0		95.8	84-124		5.20	30	
1,3-Dichloropropane	47.8		"	50.0		95.5	83-123		1.26	30	
1,4-Dichlorobenzene	49.0		"	50.0		98.0	84-124		5.82	30	
1,4-Dioxane	1330		"	1050		127	10-228		1.63	30	
2,2-Dichloropropane	43.5		"	50.0		87.0	67-136		1.04	30	
2-Butanone	43.9		"	50.0		87.8	58-147		0.386	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 BB21531 - EPA 5035A											
LCS Dup (BB21531-BSD1) LCS Dup									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2-Chlorotoluene	49.4		ug/L	50.0		98.9	78-127		4.13	30	
2-Hexanone	50.3		"	50.0		101	70-139		1.24	30	
4-Chlorotoluene	49.3		"	50.0		98.7	79-125		4.16	30	
4-Methyl-2-pentanone	54.1		"	50.0		108	72-132		0.705	30	
Acetone	24.2		"	50.0		48.4	36-155		0.206	30	
Acrolein	23.8		"	50.0		47.6	10-238		7.21	30	
Acrylonitrile	43.7		"	50.0		87.4	66-141		0.775	30	
Benzene	44.1		"	50.0		88.3	77-127		0.925	30	
Bromobenzene	48.8		"	50.0		97.6	77-129		3.59	30	
Bromochloromethane	43.8		"	50.0		87.7	74-129		0.251	30	
Bromodichloromethane	49.6		"	50.0		99.2	81-124		2.20	30	
Bromoform	51.5		"	50.0		103	80-136		0.175	30	
Bromomethane	45.0		"	50.0		89.9	32-177		0.0223	30	
Carbon disulfide	48.5		"	50.0		97.0	10-136		0.596	30	
Carbon tetrachloride	44.8		"	50.0		89.6	66-143		0.535	30	
Chlorobenzene	49.4		"	50.0		98.8	86-120		1.94	30	
Chloroethane	43.4		"	50.0		86.8	51-142		1.21	30	
Chloroform	45.0		"	50.0		90.0	76-131		0.468	30	
Chloromethane	49.1		"	50.0		98.2	49-132		0.366	30	
cis-1,2-Dichloroethylene	44.4		"	50.0		88.8	74-132		0.740	30	
cis-1,3-Dichloropropylene	49.5		"	50.0		99.0	81-129		2.68	30	
Cyclohexane	37.4		"	50.0		74.8	70-130		0.480	30	
Dibromochloromethane	49.5		"	50.0		99.0	10-200		1.63	30	
Dibromomethane	47.7		"	50.0		95.4	83-124		0.399	30	
Dichlorodifluoromethane	46.2		"	50.0		92.5	28-158		1.63	30	
Ethyl Benzene	48.8		"	50.0		97.7	84-125		1.90	30	
Hexachlorobutadiene	49.2		"	50.0		98.4	83-133		4.93	30	
Isopropylbenzene	52.2		"	50.0		104	81-127		3.69	30	
Methyl acetate	43.3		"	50.0		86.6	41-143		2.60	30	
Methyl tert-butyl ether (MTBE)	47.1		"	50.0		94.1	74-131		0.554	30	
Methylcyclohexane	50.0		"	50.0		100	70-130		0.501	30	
Methylene chloride	44.0		"	50.0		88.0	57-141		1.15	30	
n-Butylbenzene	47.7		"	50.0		95.4	80-130		4.19	30	
n-Propylbenzene	49.1		"	50.0		98.3	74-136		4.26	30	
o-Xylene	51.1		"	50.0		102	83-123		2.02	30	
p- & m- Xylenes	98.5		"	100		98.5	82-128		2.13	30	
p-Isopropyltoluene	50.2		"	50.0		100	85-125		4.07	30	
sec-Butylbenzene	49.9		"	50.0		99.8	83-125		3.44	30	
Styrene	48.5		"	50.0		97.0	86-126		0.891	30	
tert-Butyl alcohol (TBA)	233		"	250		93.4	70-130		25.4	30	
tert-Butylbenzene	43.8		"	50.0		87.6	80-127		2.78	30	
Tetrachloroethylene	45.1		"	50.0		90.3	80-129		3.06	30	
Toluene	46.3		"	50.0		92.7	85-121		0.474	30	
trans-1,2-Dichloroethylene	45.6		"	50.0		91.1	72-132		0.0220	30	
trans-1,3-Dichloropropylene	49.0		"	50.0		98.0	78-132		2.52	30	
Trichloroethylene	49.2		"	50.0		98.4	84-123		1.95	30	
Trichlorofluoromethane	43.4		"	50.0		86.7	62-140		2.17	30	
Vinyl acetate	54.0		"	50.0		108	67-136		1.20	30	
Vinyl Chloride	44.0		"	50.0		88.0	52-130		0.972	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-120*				

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 BB21531 - EPA 5035A											
LCS Dup (BB21531-BSD1) LCS Dup									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Surrogate: SURR: p-Bromofluorobenzene	*50.3*		*ug/L*	*50.0*		*101*	*76-130*				
Batch BB21591 - EPA 5030B											
Blank (BB21591-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								

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 BB21591 - EPA 5030B											
Blank (BB21591-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*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 BB21591 - EPA 5030B											
LCS (BB21591-BS1) LCS							Prepared & Analyzed: 02/08/2022				
1,1,1,2-Tetrachloroethane	8.64		ug/L	10.0		86.4	82-126				
1,1,1-Trichloroethane	8.86		"	10.0		88.6	78-136				
1,1,2,2-Tetrachloroethane	9.72		"	10.0		97.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.76		"	10.0		97.6	54-165				
1,1,2-Trichloroethane	8.69		"	10.0		86.9	82-123				
1,1-Dichloroethane	9.66		"	10.0		96.6	82-129				
1,1-Dichloroethylene	10.7		"	10.0		107	68-138				
1,1-Dichloropropylene	9.06		"	10.0		90.6	83-133				
1,2,3-Trichlorobenzene	7.41		"	10.0		74.1	76-136	Low Bias			
1,2,3-Trichloropropane	9.15		"	10.0		91.5	77-128				
1,2,4-Trichlorobenzene	7.67		"	10.0		76.7	76-137				
1,2,4-Trimethylbenzene	9.85		"	10.0		98.5	82-132				
1,2-Dibromo-3-chloropropane	7.73		"	10.0		77.3	45-147				
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124				
1,2-Dichlorobenzene	9.36		"	10.0		93.6	79-123				
1,2-Dichloroethane	9.45		"	10.0		94.5	73-132				
1,2-Dichloropropane	10.7		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	9.94		"	10.0		99.4	80-131				
1,3-Dichlorobenzene	8.73		"	10.0		87.3	86-122				
1,3-Dichloropropane	9.19		"	10.0		91.9	81-125				
1,4-Dichlorobenzene	8.98		"	10.0		89.8	85-124				
1,4-Dioxane	224		"	210		107	10-349				
2,2-Dichloropropane	9.68		"	10.0		96.8	56-150				
2-Butanone	9.31		"	10.0		93.1	49-152				
2-Chlorotoluene	10.2		"	10.0		102	79-130				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Chlorotoluene	10.2		"	10.0		102	79-128				
4-Methyl-2-pentanone	10.3		"	10.0		103	57-145				
Acetone	9.15		"	10.0		91.5	14-150				
Acrolein	5.10		"	10.0		51.0	10-153				
Acrylonitrile	9.29		"	10.0		92.9	51-150				
Benzene	9.52		"	10.0		95.2	85-126				
Bromobenzene	9.94		"	10.0		99.4	78-129				
Bromochloromethane	10.0		"	10.0		100	77-128				
Bromodichloromethane	9.16		"	10.0		91.6	79-128				
Bromoform	7.43		"	10.0		74.3	78-133	Low Bias			
Bromomethane	2.40		"	10.0		24.0	43-168	Low Bias			
Carbon disulfide	9.93		"	10.0		99.3	68-146				
Carbon tetrachloride	8.86		"	10.0		88.6	77-141				
Chlorobenzene	9.56		"	10.0		95.6	88-120				
Chloroethane	10.1		"	10.0		101	65-136				
Chloroform	9.24		"	10.0		92.4	82-128				
Chloromethane	9.89		"	10.0		98.9	43-155				
cis-1,2-Dichloroethylene	9.77		"	10.0		97.7	83-129				
cis-1,3-Dichloropropylene	9.38		"	10.0		93.8	80-131				
Cyclohexane	7.74		"	10.0		77.4	63-149				
Dibromochloromethane	8.08		"	10.0		80.8	80-130				
Dibromomethane	9.05		"	10.0		90.5	72-134				
Dichlorodifluoromethane	12.2		"	10.0		122	44-144				
Ethyl Benzene	10.4		"	10.0		104	80-131				
Hexachlorobutadiene	9.71		"	10.0		97.1	67-146				

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 BB21591 - EPA 5030B											
LCS (BB21591-BS1) LCS								Prepared & Analyzed: 02/08/2022			
Isopropylbenzene	10.4		ug/L	10.0		104	76-140				
Methyl acetate	9.48		"	10.0		94.8	51-139				
Methyl tert-butyl ether (MTBE)	8.92		"	10.0		89.2	76-135				
Methylcyclohexane	10.4		"	10.0		104	72-143				
Methylene chloride	9.64		"	10.0		96.4	55-137				
n-Butylbenzene	11.3		"	10.0		113	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	17.7		"	20.0		88.4	77-133				
p-Isopropyltoluene	9.89		"	10.0		98.9	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.56		"	10.0		95.6	67-132				
tert-Butyl alcohol (TBA)	39.0		"	50.0		77.9	25-162				
tert-Butylbenzene	7.90		"	10.0		79.0	77-138				
Tetrachloroethylene	8.25		"	10.0		82.5	82-131				
Toluene	9.86		"	10.0		98.6	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	9.11		"	10.0		91.1	78-131				
Trichloroethylene	9.25		"	10.0		92.5	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl acetate	10.9		"	10.0		109	21-90	High Bias			
Vinyl Chloride	12.5		"	10.0		125	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.9*		*"*	*10.0*		*109*	*79-122*				
LCS Dup (BB21591-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2022			
1,1,1,2-Tetrachloroethane	8.57		ug/L	10.0		85.7	82-126		0.813	30	
1,1,1-Trichloroethane	8.58		"	10.0		85.8	78-136		3.21	30	
1,1,2,2-Tetrachloroethane	9.87		"	10.0		98.7	76-129		1.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.26		"	10.0		92.6	54-165		5.26	30	
1,1,2-Trichloroethane	9.06		"	10.0		90.6	82-123		4.17	30	
1,1-Dichloroethane	9.37		"	10.0		93.7	82-129		3.05	30	
1,1-Dichloroethylene	10.1		"	10.0		101	68-138		5.69	30	
1,1-Dichloropropylene	8.72		"	10.0		87.2	83-133		3.82	30	
1,2,3-Trichlorobenzene	7.52		"	10.0		75.2	76-136	Low Bias	1.47	30	
1,2,3-Trichloropropane	9.17		"	10.0		91.7	77-128		0.218	30	
1,2,4-Trichlorobenzene	7.65		"	10.0		76.5	76-137		0.261	30	
1,2,4-Trimethylbenzene	9.35		"	10.0		93.5	82-132		5.21	30	
1,2-Dibromo-3-chloropropane	7.89		"	10.0		78.9	45-147		2.05	30	
1,2-Dibromoethane	9.10		"	10.0		91.0	83-124		4.38	30	
1,2-Dichlorobenzene	9.14		"	10.0		91.4	79-123		2.38	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		2.92	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.51	30	
1,3,5-Trimethylbenzene	9.43		"	10.0		94.3	80-131		5.27	30	
1,3-Dichlorobenzene	8.44		"	10.0		84.4	86-122	Low Bias	3.38	30	
1,3-Dichloropropane	9.46		"	10.0		94.6	81-125		2.90	30	
1,4-Dichlorobenzene	8.65		"	10.0		86.5	85-124		3.74	30	
1,4-Dioxane	247		"	210		118	10-349		9.61	30	
2,2-Dichloropropane	9.30		"	10.0		93.0	56-150		4.00	30	
2-Butanone	10.1		"	10.0		101	49-152		8.24	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 BB21591 - EPA 5030B											
LCS Dup (BB21591-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2022			
2-Chlorotoluene	9.60		ug/L	10.0		96.0	79-130		5.67	30	
2-Hexanone	11.3		"	10.0		113	51-146		9.07	30	
4-Chlorotoluene	9.69		"	10.0		96.9	79-128		5.32	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145		7.74	30	
Acetone	9.87		"	10.0		98.7	14-150		7.57	30	
Acrolein	5.49		"	10.0		54.9	10-153		7.37	30	
Acrylonitrile	10.4		"	10.0		104	51-150		10.8	30	
Benzene	9.30		"	10.0		93.0	85-126		2.34	30	
Bromobenzene	8.74		"	10.0		87.4	78-129		12.8	30	
Bromochloromethane	10.0		"	10.0		100	77-128		0.0999	30	
Bromodichloromethane	9.14		"	10.0		91.4	79-128		0.219	30	
Bromoform	7.95		"	10.0		79.5	78-133		6.76	30	
Bromomethane	2.71		"	10.0		27.1	43-168	Low Bias	12.1	30	
Carbon disulfide	9.49		"	10.0		94.9	68-146		4.53	30	
Carbon tetrachloride	8.48		"	10.0		84.8	77-141		4.38	30	
Chlorobenzene	9.42		"	10.0		94.2	88-120		1.48	30	
Chloroethane	9.69		"	10.0		96.9	65-136		4.34	30	
Chloroform	9.08		"	10.0		90.8	82-128		1.75	30	
Chloromethane	8.77		"	10.0		87.7	43-155		12.0	30	
cis-1,2-Dichloroethylene	9.52		"	10.0		95.2	83-129		2.59	30	
cis-1,3-Dichloropropylene	9.35		"	10.0		93.5	80-131		0.320	30	
Cyclohexane	7.47		"	10.0		74.7	63-149		3.55	30	
Dibromochloromethane	8.28		"	10.0		82.8	80-130		2.44	30	
Dibromomethane	9.22		"	10.0		92.2	72-134		1.86	30	
Dichlorodifluoromethane	11.2		"	10.0		112	44-144		8.78	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		2.44	30	
Hexachlorobutadiene	9.67		"	10.0		96.7	67-146		0.413	30	
Isopropylbenzene	9.78		"	10.0		97.8	76-140		6.62	30	
Methyl acetate	10.1		"	10.0		101	51-139		6.73	30	
Methyl tert-butyl ether (MTBE)	9.35		"	10.0		93.5	76-135		4.71	30	
Methylcyclohexane	9.96		"	10.0		99.6	72-143		4.03	30	
Methylene chloride	9.52		"	10.0		95.2	55-137		1.25	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		4.79	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		6.19	30	
o-Xylene	9.97		"	10.0		99.7	78-130		0.998	30	
p- & m- Xylenes	17.3		"	20.0		86.6	77-133		2.17	30	
p-Isopropyltoluene	9.38		"	10.0		93.8	81-136		5.29	30	
sec-Butylbenzene	9.62		"	10.0		96.2	79-137		5.46	30	
Styrene	9.54		"	10.0		95.4	67-132		0.209	30	
tert-Butyl alcohol (TBA)	43.1		"	50.0		86.1	25-162		9.97	30	
tert-Butylbenzene	7.44		"	10.0		74.4	77-138	Low Bias	6.00	30	
Tetrachloroethylene	7.99		"	10.0		79.9	82-131	Low Bias	3.20	30	
Toluene	9.59		"	10.0		95.9	80-127		2.78	30	
trans-1,2-Dichloroethylene	9.64		"	10.0		96.4	80-132		3.87	30	
trans-1,3-Dichloropropylene	9.29		"	10.0		92.9	78-131		1.96	30	
Trichloroethylene	8.98		"	10.0		89.8	82-128		2.96	30	
Trichlorofluoromethane	9.90		"	10.0		99.0	67-139		7.11	30	
Vinyl acetate	11.8		"	10.0		118	21-90	High Bias	8.46	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		8.78	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				

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 BB21591 - EPA 5030B											
LCS Dup (BB21591-BSD1) LCS Dup									Prepared & Analyzed: 02/08/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*ug/L*	*10.0*		*104*	*79-122*				
Batch BB21663 - EPA 5035A											
Blank (BB21663-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								

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 BB21663 - EPA 5035A											
Blank (BB21663-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.5*	*76-130*				

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 BB21663 - EPA 5035A											
Blank (BB21663-BLK2) MeOH Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	0.0042	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								

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 BB21663 - EPA 5035A											
Blank (BB21663-BLK2) MeOH Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.5*	*76-130*				
LCS (BB21663-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
1,1,1,2-Tetrachloroethane	44.4		ug/L	50.0		88.8	75-129				
1,1,1-Trichloroethane	45.2		"	50.0		90.3	71-137				
1,1,2,2-Tetrachloroethane	48.1		"	50.0		96.2	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.2		"	50.0		110	58-146				
1,1,2-Trichloroethane	47.3		"	50.0		94.5	83-123				
1,1-Dichloroethane	46.4		"	50.0		92.8	75-130				
1,1-Dichloroethylene	47.8		"	50.0		95.7	64-137				
1,1-Dichloropropylene	44.1		"	50.0		88.2	77-127				
1,2,3-Trichlorobenzene	44.6		"	50.0		89.3	81-140				
1,2,3-Trichloropropane	48.6		"	50.0		97.3	81-126				
1,2,4-Trichlorobenzene	42.4		"	50.0		84.7	80-141				
1,2,4-Trimethylbenzene	45.5		"	50.0		91.0	84-125				
1,2-Dibromo-3-chloropropane	46.0		"	50.0		92.0	74-142				
1,2-Dibromoethane	48.6		"	50.0		97.1	86-123				
1,2-Dichlorobenzene	45.6		"	50.0		91.3	85-122				
1,2-Dichloroethane	48.5		"	50.0		97.0	71-133				
1,2-Dichloropropane	47.5		"	50.0		95.0	81-122				
1,3,5-Trimethylbenzene	44.6		"	50.0		89.2	82-126				
1,3-Dichlorobenzene	44.9		"	50.0		89.8	84-124				
1,3-Dichloropropane	46.4		"	50.0		92.7	83-123				
1,4-Dichlorobenzene	44.8		"	50.0		89.7	84-124				
1,4-Dioxane	1110		"	1050		106	10-228				
2,2-Dichloropropane	42.6		"	50.0		85.3	67-136				

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 BB21663 - EPA 5035A											
LCS (BB21663-BS1) LCS								Prepared: 02/08/2022 Analyzed: 02/09/2022			
2-Butanone	46.6		ug/L	50.0		93.1	58-147				
2-Chlorotoluene	46.4		"	50.0		92.9	78-127				
2-Hexanone	47.8		"	50.0		95.6	70-139				
4-Chlorotoluene	46.6		"	50.0		93.3	79-125				
4-Methyl-2-pentanone	48.7		"	50.0		97.5	72-132				
Acetone	39.7		"	50.0		79.4	36-155				
Acrolein	39.2		"	50.0		78.4	10-238				
Acrylonitrile	48.5		"	50.0		97.0	66-141				
Benzene	47.7		"	50.0		95.4	77-127				
Bromobenzene	45.2		"	50.0		90.3	77-129				
Bromochloromethane	48.9		"	50.0		97.8	74-129				
Bromodichloromethane	46.3		"	50.0		92.6	81-124				
Bromoform	44.1		"	50.0		88.2	80-136				
Bromomethane	62.4		"	50.0		125	32-177				
Carbon disulfide	52.3		"	50.0		105	10-136				
Carbon tetrachloride	43.7		"	50.0		87.4	66-143				
Chlorobenzene	48.2		"	50.0		96.3	86-120				
Chloroethane	43.9		"	50.0		87.8	51-142				
Chloroform	47.8		"	50.0		95.7	76-131				
Chloromethane	41.0		"	50.0		82.1	49-132				
cis-1,2-Dichloroethylene	45.6		"	50.0		91.2	74-132				
cis-1,3-Dichloropropylene	44.3		"	50.0		88.6	81-129				
Cyclohexane	44.2		"	50.0		88.5	70-130				
Dibromochloromethane	44.9		"	50.0		89.9	10-200				
Dibromomethane	47.9		"	50.0		95.8	83-124				
Dichlorodifluoromethane	40.0		"	50.0		80.0	28-158				
Ethyl Benzene	46.2		"	50.0		92.3	84-125				
Hexachlorobutadiene	44.0		"	50.0		87.9	83-133				
Isopropylbenzene	46.6		"	50.0		93.2	81-127				
Methyl acetate	44.4		"	50.0		88.7	41-143				
Methyl tert-butyl ether (MTBE)	48.7		"	50.0		97.4	74-131				
Methylcyclohexane	44.9		"	50.0		89.8	70-130				
Methylene chloride	47.5		"	50.0		95.1	57-141				
n-Butylbenzene	43.0		"	50.0		86.0	80-130				
n-Propylbenzene	45.0		"	50.0		89.9	74-136				
o-Xylene	47.1		"	50.0		94.3	83-123				
p- & m- Xylenes	93.3		"	100		93.3	82-128				
p-Isopropyltoluene	44.7		"	50.0		89.4	85-125				
sec-Butylbenzene	45.0		"	50.0		90.1	83-125				
Styrene	45.3		"	50.0		90.5	86-126				
tert-Butyl alcohol (TBA)	219		"	250		87.5	70-130				
tert-Butylbenzene	45.8		"	50.0		91.7	80-127				
Tetrachloroethylene	39.9		"	50.0		79.9	80-129	Low Bias			
Toluene	46.1		"	50.0		92.2	85-121				
trans-1,2-Dichloroethylene	47.5		"	50.0		95.0	72-132				
trans-1,3-Dichloropropylene	43.4		"	50.0		86.9	78-132				
Trichloroethylene	46.6		"	50.0		93.3	84-123				
Trichlorofluoromethane	47.0		"	50.0		94.1	62-140				
Vinyl acetate	45.7		"	50.0		91.4	67-136				
Vinyl Chloride	43.6		"	50.0		87.2	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.0*		*"*	*50.0*		*100*	*77-125*				

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 BB21663 - EPA 5035A											
LCS (BB21663-BS1) LCS								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Surrogate: SURR: Toluene-d8	*49.4*		*ug/L*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.9*	*76-130*				
LCS Dup (BB21663-BSD1) LCS Dup								Prepared: 02/08/2022 Analyzed: 02/09/2022			
1,1,1,2-Tetrachloroethane	46.8		ug/L	50.0		93.6	75-129		5.28	30	
1,1,1-Trichloroethane	47.8		"	50.0		95.7	71-137		5.79	30	
1,1,2,2-Tetrachloroethane	49.5		"	50.0		98.9	79-129		2.83	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61.3		"	50.0		123	58-146		10.5	30	
1,1,2-Trichloroethane	48.7		"	50.0		97.4	83-123		2.96	30	
1,1-Dichloroethane	48.9		"	50.0		97.7	75-130		5.16	30	
1,1-Dichloroethylene	50.7		"	50.0		101	64-137		5.82	30	
1,1-Dichloropropylene	46.8		"	50.0		93.7	77-127		6.03	30	
1,2,3-Trichlorobenzene	45.3		"	50.0		90.6	81-140		1.47	30	
1,2,3-Trichloropropane	50.4		"	50.0		101	81-126		3.57	30	
1,2,4-Trichlorobenzene	43.4		"	50.0		86.8	80-141		2.47	30	
1,2,4-Trimethylbenzene	47.3		"	50.0		94.6	84-125		3.86	30	
1,2-Dibromo-3-chloropropane	47.9		"	50.0		95.8	74-142		4.09	30	
1,2-Dibromoethane	50.2		"	50.0		100	86-123		3.36	30	
1,2-Dichlorobenzene	47.5		"	50.0		95.1	85-122		4.06	30	
1,2-Dichloroethane	49.2		"	50.0		98.4	71-133		1.41	30	
1,2-Dichloropropane	49.8		"	50.0		99.5	81-122		4.65	30	
1,3,5-Trimethylbenzene	46.5		"	50.0		93.0	82-126		4.17	30	
1,3-Dichlorobenzene	46.4		"	50.0		92.8	84-124		3.33	30	
1,3-Dichloropropane	48.1		"	50.0		96.2	83-123		3.71	30	
1,4-Dichlorobenzene	45.7		"	50.0		91.5	84-124		1.96	30	
1,4-Dioxane	1130		"	1050		108	10-228		1.75	30	
2,2-Dichloropropane	44.9		"	50.0		89.7	67-136		5.12	30	
2-Butanone	54.2		"	50.0		108	58-147		15.2	30	
2-Chlorotoluene	48.2		"	50.0		96.4	78-127		3.68	30	
2-Hexanone	49.7		"	50.0		99.5	70-139		3.94	30	
4-Chlorotoluene	48.5		"	50.0		97.0	79-125		3.87	30	
4-Methyl-2-pentanone	50.5		"	50.0		101	72-132		3.57	30	
Acetone	41.2		"	50.0		82.4	36-155		3.68	30	
Acrolein	42.2		"	50.0		84.4	10-238		7.39	30	
Acrylonitrile	49.8		"	50.0		99.6	66-141		2.62	30	
Benzene	49.2		"	50.0		98.5	77-127		3.12	30	
Bromobenzene	46.7		"	50.0		93.3	77-129		3.27	30	
Bromochloromethane	50.4		"	50.0		101	74-129		2.90	30	
Bromodichloromethane	48.9		"	50.0		97.7	81-124		5.40	30	
Bromoform	47.2		"	50.0		94.4	80-136		6.77	30	
Bromomethane	68.9		"	50.0		138	32-177		9.83	30	
Carbon disulfide	55.2		"	50.0		110	10-136		5.51	30	
Carbon tetrachloride	46.9		"	50.0		93.8	66-143		7.15	30	
Chlorobenzene	50.6		"	50.0		101	86-120		5.06	30	
Chloroethane	47.6		"	50.0		95.1	51-142		7.98	30	
Chloroform	49.9		"	50.0		99.8	76-131		4.22	30	
Chloromethane	43.1		"	50.0		86.3	49-132		4.99	30	
cis-1,2-Dichloroethylene	47.8		"	50.0		95.5	74-132		4.65	30	
cis-1,3-Dichloropropylene	46.3		"	50.0		92.5	81-129		4.31	30	
Cyclohexane	46.9		"	50.0		93.8	70-130		5.86	30	
Dibromochloromethane	47.5		"	50.0		95.0	10-200		5.58	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 BB21663 - EPA 5035A											
LCS Dup (BB21663-BSD1) LCS Dup									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Dibromomethane	49.7		ug/L	50.0		99.4	83-124		3.69	30	
Dichlorodifluoromethane	42.6		"	50.0		85.1	28-158		6.15	30	
Ethyl Benzene	48.9		"	50.0		97.9	84-125		5.87	30	
Hexachlorobutadiene	46.2		"	50.0		92.4	83-133		4.99	30	
Isopropylbenzene	48.9		"	50.0		97.9	81-127		4.92	30	
Methyl acetate	48.3		"	50.0		96.6	41-143		8.44	30	
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	74-131		3.03	30	
Methylcyclohexane	47.6		"	50.0		95.1	70-130		5.75	30	
Methylene chloride	49.0		"	50.0		98.0	57-141		3.00	30	
n-Butylbenzene	43.9		"	50.0		87.8	80-130		2.10	30	
n-Propylbenzene	47.0		"	50.0		94.1	74-136		4.54	30	
o-Xylene	49.6		"	50.0		99.1	83-123		5.03	30	
p- & m- Xylenes	97.6		"	100		97.6	82-128		4.53	30	
p-Isopropyltoluene	47.0		"	50.0		94.0	85-125		4.97	30	
sec-Butylbenzene	47.4		"	50.0		94.9	83-125		5.15	30	
Styrene	47.3		"	50.0		94.7	86-126		4.47	30	
tert-Butyl alcohol (TBA)	229		"	250		91.6	70-130		4.57	30	
tert-Butylbenzene	48.3		"	50.0		96.6	80-127		5.18	30	
Tetrachloroethylene	42.3		"	50.0		84.5	80-129		5.64	30	
Toluene	48.5		"	50.0		97.0	85-121		5.09	30	
trans-1,2-Dichloroethylene	49.6		"	50.0		99.2	72-132		4.30	30	
trans-1,3-Dichloropropylene	45.2		"	50.0		90.3	78-132		3.91	30	
Trichloroethylene	49.4		"	50.0		98.8	84-123		5.73	30	
Trichlorofluoromethane	51.3		"	50.0		103	62-140		8.64	30	
Vinyl acetate	50.0		"	50.0		100	67-136		9.05	30	
Vinyl Chloride	47.1		"	50.0		94.2	52-130		7.72	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB21496 - EPA 3546 SVOA

Blank (BB21496-BLK1) Blank — Prepared: 02/07/2022 Analyzed: 02/08/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2,4-Trichlorobenzene	ND	0.0416	"
1,2-Dichlorobenzene	ND	0.0416	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
1,3-Dichlorobenzene	ND	0.0416	"
1,4-Dichlorobenzene	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"

Semivolatile 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 BB21496 - EPA 3546 SVOA											
Blank (BB21496-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.958*		"	*1.66*		*57.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.857*		"	*1.66*		*51.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.444*		"	*0.831*		*53.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.402*		"	*0.831*		*48.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.05*		"	*1.66*		*63.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.381*		"	*0.831*		*45.8*	*24-116*				

Semivolatile 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 BB21496 - EPA 3546 SVOA											
LCS (BB21496-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
1,1-Biphenyl	0.432	0.0416	mg/kg wet	0.831		52.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.446	0.0830	"	0.831		53.7	21-131				
1,2,4-Trichlorobenzene	0.387	0.0416	"	0.831		46.6	10-140				
1,2-Dichlorobenzene	0.395	0.0416	"	0.831		47.6	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.386	0.0416	"	0.831		46.4	17-137				
1,3-Dichlorobenzene	0.386	0.0416	"	0.831		46.5	33-110				
1,4-Dichlorobenzene	0.387	0.0416	"	0.831		46.6	32-104				
2,3,4,6-Tetrachlorophenol	0.390	0.0830	"	0.831		47.0	30-130				
2,4,5-Trichlorophenol	0.449	0.0416	"	0.831		54.0	27-118				
2,4,6-Trichlorophenol	0.433	0.0416	"	0.831		52.2	31-120				
2,4-Dichlorophenol	0.454	0.0416	"	0.831		54.7	20-127				
2,4-Dimethylphenol	0.455	0.0416	"	0.831		54.8	14-132				
2,4-Dinitrophenol	0.200	0.0830	"	0.831		24.1	10-171				
2,4-Dinitrotoluene	0.537	0.0416	"	0.831		64.7	34-131				
2,6-Dinitrotoluene	0.553	0.0416	"	0.831		66.6	31-128				
2-Chloronaphthalene	0.399	0.0416	"	0.831		48.0	31-117				
2-Chlorophenol	0.439	0.0416	"	0.831		52.8	33-113				
2-Methylnaphthalene	0.412	0.0416	"	0.831		49.6	12-138				
2-Methylphenol	0.425	0.0416	"	0.831		51.2	10-136				
2-Nitroaniline	0.512	0.0830	"	0.831		61.6	27-132				
2-Nitrophenol	0.559	0.0416	"	0.831		67.4	17-129				
3- & 4-Methylphenols	0.357	0.0416	"	0.831		43.0	29-103				
3,3-Dichlorobenzidine	0.748	0.0416	"	0.831		90.1	22-149				
3-Nitroaniline	0.413	0.0830	"	0.831		49.7	20-133				
4,6-Dinitro-2-methylphenol	0.444	0.0830	"	0.831		53.4	10-143				
4-Bromophenyl phenyl ether	0.418	0.0416	"	0.831		50.4	29-120				
4-Chloro-3-methylphenol	0.425	0.0416	"	0.831		51.1	24-129				
4-Chloroaniline	0.246	0.0416	"	0.831		29.6	10-132				
4-Chlorophenyl phenyl ether	0.389	0.0416	"	0.831		46.8	27-124				
4-Nitroaniline	0.473	0.0830	"	0.831		56.9	16-128				
4-Nitrophenol	0.448	0.0830	"	0.831		54.0	10-141				
Acenaphthene	0.400	0.0416	"	0.831		48.1	30-121				
Acenaphthylene	0.389	0.0416	"	0.831		46.8	30-115				
Acetophenone	0.398	0.0416	"	0.831		47.9	20-112				
Aniline	0.386	0.166	"	0.831		46.5	10-119				
Anthracene	0.428	0.0416	"	0.831		51.5	34-118				
Atrazine	0.480	0.0416	"	0.831		57.8	26-112				
Benzaldehyde	0.434	0.0416	"	0.831		52.2	21-100				
Benzo(a)anthracene	0.404	0.0416	"	0.831		48.7	32-122				
Benzo(a)pyrene	0.415	0.0416	"	0.831		50.0	29-133				
Benzo(b)fluoranthene	0.456	0.0416	"	0.831		55.0	25-133				
Benzo(g,h,i)perylene	0.439	0.0416	"	0.831		52.9	10-143				
Benzo(k)fluoranthene	0.422	0.0416	"	0.831		50.8	25-128				
Benzoic acid	0.153	0.0416	"	0.831		18.5	10-140				
Benzyl alcohol	0.421	0.0416	"	0.831		50.7	30-115				
Benzyl butyl phthalate	0.432	0.0416	"	0.831		52.0	26-126				
Bis(2-chloroethoxy)methane	0.402	0.0416	"	0.831		48.4	19-132				
Bis(2-chloroethyl)ether	0.390	0.0416	"	0.831		47.0	19-125				
Bis(2-chloroisopropyl)ether	0.380	0.0416	"	0.831		45.8	20-135				
Bis(2-ethylhexyl)phthalate	0.445	0.0416	"	0.831		53.5	10-155				
Caprolactam	0.550	0.0830	"	0.831		66.2	10-127				

Semivolatile 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 BB21496 - EPA 3546 SVOA											
LCS (BB21496-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Carbazole	0.425	0.0416	mg/kg wet	0.831		51.1	35-123				
Chrysene	0.389	0.0416	"	0.831		46.8	32-123				
Dibenzo(a,h)anthracene	0.472	0.0416	"	0.831		56.9	10-136				
Dibenzofuran	0.404	0.0416	"	0.831		48.6	29-121				
Diethyl phthalate	0.400	0.0416	"	0.831		48.1	34-116				
Dimethyl phthalate	0.397	0.0416	"	0.831		47.8	35-124				
Di-n-butyl phthalate	0.430	0.0416	"	0.831		51.8	31-116				
Di-n-octyl phthalate	0.436	0.0416	"	0.831		52.5	26-136				
Fluoranthene	0.393	0.0416	"	0.831		47.4	33-122				
Fluorene	0.405	0.0416	"	0.831		48.8	29-123				
Hexachlorobenzene	0.397	0.0416	"	0.831		47.8	21-124				
Hexachlorobutadiene	0.407	0.0416	"	0.831		49.0	10-149				
Hexachlorocyclopentadiene	0.373	0.0416	"	0.831		45.0	10-129				
Hexachloroethane	0.386	0.0416	"	0.831		46.5	28-108				
Indeno(1,2,3-cd)pyrene	0.433	0.0416	"	0.831		52.2	10-135				
Isophorone	0.390	0.0416	"	0.831		47.0	20-132				
Naphthalene	0.409	0.0416	"	0.831		49.2	23-124				
Nitrobenzene	0.443	0.0416	"	0.831		53.3	13-132				
N-Nitrosodimethylamine	0.419	0.0416	"	0.831		50.4	11-129				
N-nitroso-di-n-propylamine	0.375	0.0416	"	0.831		45.2	24-119				
N-Nitrosodiphenylamine	0.479	0.0416	"	0.831		57.6	22-152				
Pentachlorophenol	0.266	0.0416	"	0.831		32.1	10-139				
Phenanthrene	0.391	0.0416	"	0.831		47.0	33-123				
Phenol	0.465	0.0416	"	0.831		56.0	23-115				
Pyrene	0.398	0.0416	"	0.831		47.9	24-130				
Pyridine	0.352	0.166	"	0.831		42.4	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.985*		*"*	*1.66*		*59.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.894*		*"*	*1.66*		*53.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.506*		*"*	*0.831*		*61.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.409*		*"*	*0.831*		*49.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.998*		*"*	*1.66*		*60.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.420*		*"*	*0.831*		*50.5*	*24-116*				

Batch BB21496 - EPA 3546 SVOA

Matrix Spike (BB21496-MS1) Matrix Spike *Source sample: 22B0236-01 (Matrix Spike) Prepared: 02/07/2022 Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.549	0.0865	mg/kg dry	0.864	ND	63.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.913	0.173	"	0.864	ND	106	10-133				
1,2,4-Trichlorobenzene	0.827	0.0865	"	0.864	ND	95.8	10-127				
1,2-Dichlorobenzene	0.828	0.0865	"	0.864	ND	95.8	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.657	0.0865	"	0.864	ND	76.0	10-144				
1,3-Dichlorobenzene	0.840	0.0865	"	0.864	ND	97.2	11-111				
1,4-Dichlorobenzene	0.822	0.0865	"	0.864	ND	95.1	10-106				
2,3,4,6-Tetrachlorophenol	0.903	0.173	"	0.864	ND	105	30-130				
2,4,5-Trichlorophenol	0.863	0.0865	"	0.864	ND	99.9	10-127				
2,4,6-Trichlorophenol	0.886	0.0865	"	0.864	ND	103	10-132				
2,4-Dichlorophenol	0.936	0.0865	"	0.864	ND	108	10-128				
2,4-Dimethylphenol	0.939	0.0865	"	0.864	ND	109	10-137				
2,4-Dinitrophenol	ND	0.173	"	0.864	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.960	0.0865	"	0.864	ND	111	16-135				
2,6-Dinitrotoluene	0.997	0.0865	"	0.864	ND	115	18-131				
2-Chloronaphthalene	0.782	0.0865	"	0.864	ND	90.6	10-129				
2-Chlorophenol	0.945	0.0865	"	0.864	ND	109	15-116				
2-Methylnaphthalene	0.841	0.0865	"	0.864	ND	97.4	10-147				
2-Methylphenol	0.910	0.0865	"	0.864	ND	105	10-136				
2-Nitroaniline	0.999	0.173	"	0.864	ND	116	10-137				
2-Nitrophenol	0.985	0.0865	"	0.864	ND	114	10-129				
3- & 4-Methylphenols	0.796	0.0865	"	0.864	ND	92.2	10-123				
3,3-Dichlorobenzidine	1.90	0.0865	"	0.864	ND	220	10-155	High Bias			
3-Nitroaniline	0.885	0.173	"	0.864	ND	102	12-133				
4,6-Dinitro-2-methylphenol	0.135	0.173	"	0.864	ND	15.7	10-155				
4-Bromophenyl phenyl ether	0.785	0.0865	"	0.864	ND	90.9	14-128				
4-Chloro-3-methylphenol	0.894	0.0865	"	0.864	ND	104	10-134				
4-Chloroaniline	0.780	0.0865	"	0.864	ND	90.2	10-145				
4-Chlorophenyl phenyl ether	0.798	0.0865	"	0.864	ND	92.4	14-130				
4-Nitroaniline	0.962	0.173	"	0.864	ND	111	10-147				
4-Nitrophenol	0.868	0.173	"	0.864	ND	100	10-137				
Acenaphthene	0.809	0.0865	"	0.864	ND	93.7	10-146				
Acenaphthylene	0.737	0.0865	"	0.864	ND	85.4	10-134				
Acetophenone	0.599	0.0865	"	0.864	ND	69.3	10-116				
Aniline	0.756	0.346	"	0.864	ND	87.5	10-123				
Anthracene	0.804	0.0865	"	0.864	ND	93.0	10-142				
Atrazine	0.593	0.0865	"	0.864	ND	68.6	19-115				
Benzaldehyde	0.642	0.0865	"	0.864	ND	74.3	10-125				
Benzo(a)anthracene	0.813	0.0865	"	0.864	ND	94.2	10-158				
Benzo(a)pyrene	0.823	0.0865	"	0.864	ND	95.3	10-180				
Benzo(b)fluoranthene	0.881	0.0865	"	0.864	ND	102	10-200				
Benzo(g,h,i)perylene	0.883	0.0865	"	0.864	ND	102	10-138				
Benzo(k)fluoranthene	0.868	0.0865	"	0.864	ND	100	10-197				
Benzoic acid	0.474	0.0865	"	0.864	ND	54.9	10-166				
Benzyl alcohol	0.912	0.0865	"	0.864	ND	106	12-124				
Benzyl butyl phthalate	0.699	0.0865	"	0.864	ND	81.0	10-154				
Bis(2-chloroethoxy)methane	0.808	0.0865	"	0.864	ND	93.5	10-132				
Bis(2-chloroethyl)ether	0.851	0.0865	"	0.864	ND	98.6	10-119				
Bis(2-chloroisopropyl)ether	0.842	0.0865	"	0.864	ND	97.4	10-139				
Bis(2-ethylhexyl)phthalate	0.781	0.0865	"	0.864	ND	90.4	10-167				
Caprolactam	0.809	0.173	"	0.864	ND	93.6	10-132				

Semivolatile 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 BB21496 - EPA 3546 SVOA											
Matrix Spike (BB21496-MS1) Matrix Spike	*Source sample: 22B0236-01 (Matrix Spike)							Prepared: 02/07/2022 Analyzed: 02/11/2022			
Carbazole	0.845	0.0865	mg/kg dry	0.864	ND	97.8	10-167				
Chrysene	0.780	0.0865	"	0.864	ND	90.2	10-156				
Dibenzo(a,h)anthracene	0.930	0.0865	"	0.864	ND	108	10-137				
Dibenzofuran	0.790	0.0865	"	0.864	ND	91.4	10-147				
Diethyl phthalate	0.748	0.0865	"	0.864	ND	86.6	20-120				
Dimethyl phthalate	0.746	0.0865	"	0.864	ND	86.4	18-131				
Di-n-butyl phthalate	0.777	0.0865	"	0.864	ND	89.9	10-137				
Di-n-octyl phthalate	0.861	0.0865	"	0.864	ND	99.7	10-180				
Fluoranthene	0.890	0.0865	"	0.864	ND	103	10-160				
Fluorene	0.820	0.0865	"	0.864	ND	95.0	10-157				
Hexachlorobenzene	0.695	0.0865	"	0.864	ND	80.5	10-137				
Hexachlorobutadiene	0.885	0.0865	"	0.864	ND	102	10-132				
Hexachlorocyclopentadiene	0.0546	0.0865	"	0.864	ND	6.32	10-106	Low Bias			
Hexachloroethane	0.652	0.0865	"	0.864	ND	75.4	10-110				
Indeno(1,2,3-cd)pyrene	1.05	0.0865	"	0.864	ND	121	10-144				
Isophorone	0.800	0.0865	"	0.864	ND	92.6	10-132				
Naphthalene	0.838	0.0865	"	0.864	ND	97.0	10-141				
Nitrobenzene	0.883	0.0865	"	0.864	ND	102	10-131				
N-Nitrosodimethylamine	0.914	0.0865	"	0.864	ND	106	10-126				
N-nitroso-di-n-propylamine	0.769	0.0865	"	0.864	ND	89.0	10-125				
N-Nitrosodiphenylamine	0.889	0.0865	"	0.864	ND	103	10-177				
Pentachlorophenol	0.860	0.0865	"	0.864	ND	99.6	10-153				
Phenanthrene	0.757	0.0865	"	0.864	ND	87.6	10-148				
Phenol	0.993	0.0865	"	0.864	ND	115	10-126				
Pyrene	0.687	0.0865	"	0.864	ND	79.5	10-165				
Pyridine	0.799	0.346	"	0.864	ND	92.5	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.48*		*"*	*1.73*		*85.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.34*		*"*	*1.73*		*77.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.700*		*"*	*0.864*		*81.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.550*		*"*	*0.864*		*63.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.46*		*"*	*1.73*		*84.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.522*		*"*	*0.864*		*60.4*	*24-116*				

Semivolatile 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 BB21496 - EPA 3546 SVOA											
Matrix Spike Dup (BB21496-M Matrix Spike Dup	*Source sample: 22B0236-01 (Matrix Spike Dup)								Prepared: 02/07/2022 Analyzed: 02/11/2022		
1,1-Biphenyl	0.703	0.0865	mg/kg dry	0.864	ND	81.4	10-130		24.5	30	
1,2,4,5-Tetrachlorobenzene	0.809	0.173	"	0.864	ND	93.6	10-133		12.1	30	
1,2,4-Trichlorobenzene	0.664	0.0865	"	0.864	ND	76.9	10-127		21.9	30	
1,2-Dichlorobenzene	0.625	0.0865	"	0.864	ND	72.4	14-111		27.9	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.610	0.0865	"	0.864	ND	70.6	10-144		7.42	30	
1,3-Dichlorobenzene	0.637	0.0865	"	0.864	ND	73.7	11-111		27.5	30	
1,4-Dichlorobenzene	0.645	0.0865	"	0.864	ND	74.6	10-106		24.1	30	
2,3,4,6-Tetrachlorophenol	0.688	0.173	"	0.864	ND	79.6	30-130		27.1	30	
2,4,5-Trichlorophenol	0.753	0.0865	"	0.864	ND	87.2	10-127		13.6	30	
2,4,6-Trichlorophenol	0.735	0.0865	"	0.864	ND	85.0	10-132		18.7	30	
2,4-Dichlorophenol	0.771	0.0865	"	0.864	ND	89.2	10-128		19.4	30	
2,4-Dimethylphenol	0.780	0.0865	"	0.864	ND	90.3	10-137		18.4	30	
2,4-Dinitrophenol	ND	0.173	"	0.864	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.780	0.0865	"	0.864	ND	90.2	16-135		20.7	30	
2,6-Dinitrotoluene	0.835	0.0865	"	0.864	ND	96.6	18-131		17.7	30	
2-Chloronaphthalene	0.672	0.0865	"	0.864	ND	77.8	10-129		15.2	30	
2-Chlorophenol	0.719	0.0865	"	0.864	ND	83.2	15-116		27.2	30	
2-Methylnaphthalene	0.702	0.0865	"	0.864	ND	81.3	10-147		18.0	30	
2-Methylphenol	0.695	0.0865	"	0.864	ND	80.5	10-136		26.8	30	
2-Nitroaniline	0.840	0.173	"	0.864	ND	97.2	10-137		17.3	30	
2-Nitrophenol	0.850	0.0865	"	0.864	ND	98.4	10-129		14.7	30	
3- & 4-Methylphenols	0.601	0.0865	"	0.864	ND	69.6	10-123		27.9	30	
3,3-Dichlorobenzidine	1.56	0.0865	"	0.864	ND	180	10-155	High Bias	20.1	30	
3-Nitroaniline	0.750	0.173	"	0.864	ND	86.8	12-133		16.5	30	
4,6-Dinitro-2-methylphenol	0.180	0.173	"	0.864	ND	20.8	10-155		28.1	30	
4-Bromophenyl phenyl ether	0.727	0.0865	"	0.864	ND	84.2	14-128		7.68	30	
4-Chloro-3-methylphenol	0.713	0.0865	"	0.864	ND	82.6	10-134		22.5	30	
4-Chloroaniline	0.619	0.0865	"	0.864	ND	71.7	10-145		22.9	30	
4-Chlorophenyl phenyl ether	0.697	0.0865	"	0.864	ND	80.6	14-130		13.6	30	
4-Nitroaniline	0.706	0.173	"	0.864	ND	81.8	10-147		30.7	30	Non-dir.
4-Nitrophenol	0.677	0.173	"	0.864	ND	78.3	10-137		24.8	30	
Acenaphthene	0.670	0.0865	"	0.864	ND	77.6	10-146		18.8	30	
Acenaphthylene	0.650	0.0865	"	0.864	ND	75.3	10-134		12.5	30	
Acetophenone	0.643	0.0865	"	0.864	ND	74.4	10-116		7.13	30	
Aniline	0.552	0.346	"	0.864	ND	63.8	10-123		31.3	30	Non-dir.
Anthracene	0.690	0.0865	"	0.864	ND	79.9	10-142		15.2	30	
Atrazine	0.728	0.0865	"	0.864	ND	84.3	19-115		20.5	30	
Benzaldehyde	0.697	0.0865	"	0.864	ND	80.6	10-125		8.16	30	
Benzo(a)anthracene	0.676	0.0865	"	0.864	ND	78.2	10-158		18.5	30	
Benzo(a)pyrene	0.726	0.0865	"	0.864	ND	84.0	10-180		12.6	30	
Benzo(b)fluoranthene	0.769	0.0865	"	0.864	ND	89.0	10-200		13.6	30	
Benzo(g,h,i)perylene	0.788	0.0865	"	0.864	ND	91.2	10-138		11.4	30	
Benzo(k)fluoranthene	0.758	0.0865	"	0.864	ND	87.8	10-197		13.5	30	
Benzoic acid	0.622	0.0865	"	0.864	ND	72.0	10-166		27.0	30	
Benzyl alcohol	0.690	0.0865	"	0.864	ND	79.9	12-124		27.6	30	
Benzyl butyl phthalate	0.610	0.0865	"	0.864	ND	70.6	10-154		13.7	30	
Bis(2-chloroethoxy)methane	0.702	0.0865	"	0.864	ND	81.3	10-132		14.0	30	
Bis(2-chloroethyl)ether	0.712	0.0865	"	0.864	ND	82.4	10-119		17.9	30	
Bis(2-chloroisopropyl)ether	0.637	0.0865	"	0.864	ND	73.7	10-139		27.8	30	
Bis(2-ethylhexyl)phthalate	0.661	0.0865	"	0.864	ND	76.5	10-167		16.7	30	
Caprolactam	0.847	0.173	"	0.864	ND	98.0	10-132		4.59	30	

Semivolatile 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 BB21496 - EPA 3546 SVOA											
Matrix Spike Dup (BB21496-M Matrix Spike Dup	*Source sample: 22B0236-01 (Matrix Spike Dup)								Prepared: 02/07/2022 Analyzed: 02/11/2022		
Carbazole	0.703	0.0865	mg/kg dry	0.864	ND	81.4	10-167		18.3	30	
Chrysene	0.666	0.0865	"	0.864	ND	77.1	10-156		15.7	30	
Dibenzo(a,h)anthracene	0.825	0.0865	"	0.864	ND	95.4	10-137		12.0	30	
Dibenzofuran	0.662	0.0865	"	0.864	ND	76.6	10-147		17.6	30	
Diethyl phthalate	0.625	0.0865	"	0.864	ND	72.3	20-120		17.9	30	
Dimethyl phthalate	0.632	0.0865	"	0.864	ND	73.2	18-131		16.5	30	
Di-n-butyl phthalate	0.691	0.0865	"	0.864	ND	80.0	10-137		11.7	30	
Di-n-octyl phthalate	0.666	0.0865	"	0.864	ND	77.0	10-180		25.6	30	
Fluoranthene	0.732	0.0865	"	0.864	ND	84.7	10-160		19.5	30	
Fluorene	0.680	0.0865	"	0.864	ND	78.7	10-157		18.7	30	
Hexachlorobenzene	0.652	0.0865	"	0.864	ND	75.5	10-137		6.36	30	
Hexachlorobutadiene	0.716	0.0865	"	0.864	ND	82.9	10-132		21.1	30	
Hexachlorocyclopentadiene	0.100	0.0865	"	0.864	ND	11.6	10-106		58.9	30	Non-dir.
Hexachloroethane	0.538	0.0865	"	0.864	ND	62.2	10-110		19.2	30	
Indeno(1,2,3-cd)pyrene	0.934	0.0865	"	0.864	ND	108	10-144		11.6	30	
Isophorone	0.680	0.0865	"	0.864	ND	78.7	10-132		16.2	30	
Naphthalene	0.687	0.0865	"	0.864	ND	79.5	10-141		19.8	30	
Nitrobenzene	0.743	0.0865	"	0.864	ND	86.0	10-131		17.3	30	
N-Nitrosodimethylamine	0.697	0.0865	"	0.864	ND	80.6	10-126		27.0	30	
N-nitroso-di-n-propylamine	0.615	0.0865	"	0.864	ND	71.2	10-125		22.2	30	
N-Nitrosodiphenylamine	0.787	0.0865	"	0.864	ND	91.0	10-177		12.2	30	
Pentachlorophenol	0.785	0.0865	"	0.864	ND	90.9	10-153		9.16	30	
Phenanthrene	0.661	0.0865	"	0.864	ND	76.5	10-148		13.6	30	
Phenol	0.771	0.0865	"	0.864	ND	89.2	10-126		25.2	30	
Pyrene	0.610	0.0865	"	0.864	ND	70.6	10-165		11.9	30	
Pyridine	0.601	0.346	"	0.864	ND	69.5	10-83		28.3	30	
Surrogate: SURR: 2-Fluorophenol	*1.61*		"	*1.73*		*93.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.41*		"	*1.73*		*81.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.829*		"	*0.864*		*95.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.672*		"	*0.864*		*77.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.79*		"	*1.73*		*103*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.650*		"	*0.864*		*75.3*	*24-116*				

Semivolatile 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 BB21747 - EPA 3510C											
Blank (BB21747-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								

Semivolatile 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 BB21747 - EPA 3510C											
Blank (BB21747-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*14.9*		*"*	*50.0*		*29.8*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*8.00*		*"*	*50.0*		*16.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*14.7*		*"*	*25.0*		*58.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.7*		*"*	*25.0*		*66.7*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*43.3*		*"*	*50.0*		*86.7*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.2*		*"*	*25.0*		*72.6*	*30.7-106*				
Blank (BB21747-BLK2) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	0.0600	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								

Semivolatile 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 BB21747 - EPA 3510C											
LCS (BB21747-BS1) LCS								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,1-Biphenyl	12.8	5.00	ug/L	25.0		51.4	33-95				
1,2,4,5-Tetrachlorobenzene	16.2	5.00	"	25.0		64.8	26-120				
1,2,4-Trichlorobenzene	14.1	5.00	"	25.0		56.4	20-118				
1,2-Dichlorobenzene	12.3	5.00	"	25.0		49.0	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	9.34	5.00	"	25.0		37.4	16-141				
1,3-Dichlorobenzene	12.0	5.00	"	25.0		47.9	23-117				
1,4-Dichlorobenzene	12.1	5.00	"	25.0		48.6	30-105				
2,3,4,6-Tetrachlorophenol	11.3	5.00	"	25.0		45.1	30-130				
2,4,5-Trichlorophenol	12.7	5.00	"	25.0		50.9	32-114				
2,4,6-Trichlorophenol	14.8	5.00	"	25.0		59.3	35-118				
2,4-Dichlorophenol	14.9	5.00	"	25.0		59.6	25-116				
2,4-Dimethylphenol	11.3	5.00	"	25.0		45.3	15-116				
2,4-Dinitrophenol	6.72	5.00	"	25.0		26.9	10-170				
2,4-Dinitrotoluene	15.8	5.00	"	25.0		63.3	41-128				
2,6-Dinitrotoluene	15.9	5.00	"	25.0		63.6	45-116				
2-Chloronaphthalene	12.8	5.00	"	25.0		51.0	33-112				
2-Chlorophenol	11.8	5.00	"	25.0		47.3	15-120				
2-Methylnaphthalene	13.5	5.00	"	25.0		53.8	24-118				
2-Methylphenol	9.71	5.00	"	25.0		38.8	10-110				
2-Nitroaniline	14.5	5.00	"	25.0		57.9	34-129				
2-Nitrophenol	16.2	5.00	"	25.0		65.0	28-118				
3- & 4-Methylphenols	8.04	5.00	"	25.0		32.2	10-107				
3,3-Dichlorobenzidine	9.55	5.00	"	25.0		38.2	15-187				
3-Nitroaniline	13.2	5.00	"	25.0		52.7	24-134				
4,6-Dinitro-2-methylphenol	13.5	5.00	"	25.0		54.1	10-153				
4-Bromophenyl phenyl ether	13.7	5.00	"	25.0		54.8	34-120				
4-Chloro-3-methylphenol	15.0	5.00	"	25.0		60.0	20-120				
4-Chloroaniline	12.2	5.00	"	25.0		48.7	10-147				
4-Chlorophenyl phenyl ether	14.6	5.00	"	25.0		58.4	27-121				
4-Nitroaniline	11.8	5.00	"	25.0		47.0	13-134				
4-Nitrophenol	19.6	5.00	"	25.0		78.4	10-131				
Acetophenone	13.0	5.00	"	25.0		52.1	25-110				
Aniline	17.1	5.00	"	25.0		68.2	10-117				
Benzaldehyde	13.7	5.00	"	25.0		54.8	29-117				
Benzoic acid	2.50	5.00	"	25.0		10.0	30-130	Low Bias			
Benzyl alcohol	9.60	5.00	"	25.0		38.4	10-117				
Benzyl butyl phthalate	12.7	5.00	"	25.0		50.7	29-133				
Bis(2-chloroethoxy)methane	11.6	5.00	"	25.0		46.4	10-154				
Bis(2-chloroethyl)ether	23.6	5.00	"	25.0		94.6	17-125				
Bis(2-chloroisopropyl)ether	9.50	5.00	"	25.0		38.0	10-139				
Caprolactam	3.81	5.00	"	25.0		15.2	10-137				
Carbazole	13.0	5.00	"	25.0		52.0	42-126				
Dibenzofuran	13.5	5.00	"	25.0		54.1	36-113				
Diethyl phthalate	12.7	5.00	"	25.0		51.0	38-115				
Dimethyl phthalate	13.5	5.00	"	25.0		53.9	38-129				
Di-n-butyl phthalate	12.7	5.00	"	25.0		50.7	31-120				
Di-n-octyl phthalate	13.8	5.00	"	25.0		55.2	21-149				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	11.3	5.00	"	25.0		45.2	25-127				
N-nitroso-di-n-propylamine	9.88	5.00	"	25.0		39.5	26-122				
N-Nitrosodiphenylamine	14.2	5.00	"	25.0		56.9	23-149				

Semivolatile 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 BB21747 - EPA 3510C											
LCS (BB21747-BS1) LCS							Prepared: 02/10/2022 Analyzed: 02/11/2022				
Phenol	5.26	5.00	ug/L	25.0		21.0	10-110				
Pyridine	9.47	5.00	"	25.5		37.1	10-90				
Surrogate: SURR: 2-Fluorophenol	*13.4*		*"*	*50.0*		*26.7*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.90*		*"*	*50.0*		*15.8*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*11.7*		*"*	*25.0*		*46.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*13.3*		*"*	*25.0*		*53.2*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*32.9*		*"*	*50.0*		*65.7*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*14.5*		*"*	*25.0*		*58.0*	*30.7-106*				
LCS (BB21747-BS2) LCS							Prepared: 02/10/2022 Analyzed: 02/11/2022				
Acenaphthene	0.770	0.0500	ug/L	1.00		77.0	25-116				
Acenaphthylene	0.840	0.0500	"	1.00		84.0	26-116				
Anthracene	0.810	0.0500	"	1.00		81.0	25-123				
Benzo(a)anthracene	0.910	0.0500	"	1.00		91.0	33-125				
Benzo(a)pyrene	0.720	0.0500	"	1.00		72.0	32-132				
Benzo(b)fluoranthene	0.660	0.0500	"	1.00		66.0	22-137				
Benzo(g,h,i)perylene	0.780	0.0500	"	1.00		78.0	10-138				
Benzo(k)fluoranthene	0.630	0.0500	"	1.00		63.0	20-137				
Bis(2-ethylhexyl)phthalate	1.21	0.500	"	1.00		121	10-189				
Chrysene	0.950	0.0500	"	1.00		95.0	32-124				
Dibenzo(a,h)anthracene	0.800	0.0500	"	1.00		80.0	16-133				
Fluoranthene	0.880	0.0500	"	1.00		88.0	32-121				
Fluorene	0.850	0.0500	"	1.00		85.0	28-118				
Hexachlorobenzene	0.200	0.0200	"	1.00		20.0	23-124	Low Bias			
Hexachlorobutadiene	0.730	0.500	"	1.00		73.0	15-123				
Hexachloroethane	0.750	0.500	"	1.00		75.0	18-115				
Indeno(1,2,3-cd)pyrene	0.710	0.0500	"	1.00		71.0	15-135				
Naphthalene	0.780	0.0500	"	1.00		78.0	18-120				
Nitrobenzene	0.860	0.250	"	1.00		86.0	21-121				
N-Nitrosodimethylamine	0.660	0.500	"	1.00		66.0	10-124				
Pentachlorophenol	0.710	0.250	"	1.00		71.0	10-156				
Phenanthrene	0.820	0.0500	"	1.00		82.0	24-127				
Pyrene	0.920	0.0500	"	1.00		92.0	31-132				

Semivolatile 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 BB21747 - EPA 3510C											
LCS Dup (BB21747-BSD1) LCS Dup								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,1-Biphenyl	17.2	5.00	ug/L	25.0		69.0	33-95		29.2	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	21.5	5.00	"	25.0		86.1	26-120		28.2	20	Non-dir.
1,2,4-Trichlorobenzene	18.6	5.00	"	25.0		74.2	20-118		27.2	20	Non-dir.
1,2-Dichlorobenzene	16.0	5.00	"	25.0		64.2	29-111		26.7	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	12.6	5.00	"	25.0		50.4	16-141		29.7	20	Non-dir.
1,3-Dichlorobenzene	15.6	5.00	"	25.0		62.2	23-117		26.0	20	Non-dir.
1,4-Dichlorobenzene	16.2	5.00	"	25.0		64.7	30-105		28.5	20	Non-dir.
2,3,4,6-Tetrachlorophenol	15.1	5.00	"	25.0		60.4	30-130		29.0	20	Non-dir.
2,4,5-Trichlorophenol	17.1	5.00	"	25.0		68.4	32-114		29.2	20	Non-dir.
2,4,6-Trichlorophenol	19.9	5.00	"	25.0		79.5	35-118		29.2	20	Non-dir.
2,4-Dichlorophenol	19.9	5.00	"	25.0		79.6	25-116		28.8	20	Non-dir.
2,4-Dimethylphenol	14.6	5.00	"	25.0		58.3	15-116		25.2	20	Non-dir.
2,4-Dinitrophenol	11.1	5.00	"	25.0		44.5	10-170		49.4	20	Non-dir.
2,4-Dinitrotoluene	21.2	5.00	"	25.0		84.7	41-128		28.9	20	Non-dir.
2,6-Dinitrotoluene	21.3	5.00	"	25.0		85.2	45-116		29.0	20	Non-dir.
2-Chloronaphthalene	17.1	5.00	"	25.0		68.5	33-112		29.3	20	Non-dir.
2-Chlorophenol	15.6	5.00	"	25.0		62.6	15-120		27.8	20	Non-dir.
2-Methylnaphthalene	17.8	5.00	"	25.0		71.1	24-118		27.6	20	Non-dir.
2-Methylphenol	12.7	5.00	"	25.0		50.8	10-110		26.6	20	Non-dir.
2-Nitroaniline	18.8	5.00	"	25.0		75.2	34-129		26.0	20	Non-dir.
2-Nitrophenol	22.0	5.00	"	25.0		88.2	28-118		30.3	20	Non-dir.
3- & 4-Methylphenols	10.4	5.00	"	25.0		41.7	10-107		25.9	20	Non-dir.
3,3-Dichlorobenzidine	12.8	5.00	"	25.0		51.1	15-187		28.9	20	Non-dir.
3-Nitroaniline	16.7	5.00	"	25.0		66.8	24-134		23.7	20	Non-dir.
4,6-Dinitro-2-methylphenol	19.8	5.00	"	25.0		79.2	10-153		37.7	20	Non-dir.
4-Bromophenyl phenyl ether	18.0	5.00	"	25.0		71.9	34-120		27.0	20	Non-dir.
4-Chloro-3-methylphenol	19.3	5.00	"	25.0		77.2	20-120		25.2	20	Non-dir.
4-Chloroaniline	13.6	5.00	"	25.0		54.4	10-147		10.9	20	
4-Chlorophenyl phenyl ether	19.1	5.00	"	25.0		76.4	27-121		26.8	20	Non-dir.
4-Nitroaniline	15.4	5.00	"	25.0		61.5	13-134		26.8	20	Non-dir.
4-Nitrophenol	23.8	5.00	"	25.0		95.2	10-131		19.3	20	
Acetophenone	17.1	5.00	"	25.0		68.3	25-110		26.9	20	Non-dir.
Aniline	20.9	5.00	"	25.0		83.5	10-117		20.1	20	Non-dir.
Benzaldehyde	18.6	5.00	"	25.0		74.2	29-117		30.1	20	Non-dir.
Benzoic acid	3.32	5.00	"	25.0		13.3	30-130	Low Bias	28.2	20	Non-dir.
Benzyl alcohol	11.8	5.00	"	25.0		47.0	10-117		20.2	20	Non-dir.
Benzyl butyl phthalate	17.4	5.00	"	25.0		69.6	29-133		31.5	20	Non-dir.
Bis(2-chloroethoxy)methane	15.0	5.00	"	25.0		59.8	10-154		25.2	20	Non-dir.
Bis(2-chloroethyl)ether	28.9	5.00	"	25.0		116	17-125		20.1	20	Non-dir.
Bis(2-chloroisopropyl)ether	12.5	5.00	"	25.0		49.9	10-139		27.1	20	Non-dir.
Caprolactam	4.74	5.00	"	25.0		19.0	10-137		21.8	20	Non-dir.
Carbazole	17.3	5.00	"	25.0		69.1	42-126		28.3	20	Non-dir.
Dibenzofuran	18.2	5.00	"	25.0		72.8	36-113		29.6	20	Non-dir.
Diethyl phthalate	17.0	5.00	"	25.0		67.8	38-115		28.4	20	Non-dir.
Dimethyl phthalate	17.9	5.00	"	25.0		71.6	38-129		28.2	20	Non-dir.
Di-n-butyl phthalate	17.0	5.00	"	25.0		68.2	31-120		29.4	20	Non-dir.
Di-n-octyl phthalate	18.8	5.00	"	25.0		75.3	21-149		30.7	20	Non-dir.
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias		20	
Isophorone	15.0	5.00	"	25.0		59.8	25-127		27.8	20	Non-dir.
N-nitroso-di-n-propylamine	12.9	5.00	"	25.0		51.5	26-122		26.3	20	Non-dir.
N-Nitrosodiphenylamine	19.2	5.00	"	25.0		76.8	23-149		29.9	20	Non-dir.

Semivolatile 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 BB21747 - EPA 3510C											
LCS Dup (BB21747-BSD1) LCS Dup									Prepared: 02/10/2022 Analyzed: 02/11/2022		
Phenol	6.43	5.00	ug/L	25.0		25.7	10-110		20.0	20	
Pyridine	11.4	5.00	"	25.5		44.9	10-90		18.9	20	
Surrogate: SURR: 2-Fluorophenol	*17.8*		*"*	*50.0*		*35.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.0*		*"*	*50.0*		*20.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*15.2*		*"*	*25.0*		*60.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*17.4*		*"*	*25.0*		*69.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*43.8*		*"*	*50.0*		*87.6*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.7*		*"*	*25.0*		*74.8*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BB21656 - EPA 3550C											
Blank (BB21656-BLK1) Blank								Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*455*		*"*	*495*		*92.0*	*39-127.5*				
LCS (BB21656-BS1) LCS								Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane	544	19.8	ug/kg	495		110	40-130				
Surrogate: 1,4-Dioxane-d8	*406*		*"*	*495*		*82.0*	*39-127.5*				
Matrix Spike (BB21656-MS1) Matrix Spike *Source sample: 22B0289-01 (Matrix Spike)								Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane	508	19.8	ug/kg	495	ND	103	40-130				
Surrogate: 1,4-Dioxane-d8	*396*		*"*	*495*		*80.0*	*40-130*				
Matrix Spike Dup (BB21656-M Matrix Spike Dup *Source sample: 22B0289-01 (Matrix Spike Dup)								Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane	507	19.8	ug/kg	495	ND	102	40-130		0.195	30	
Surrogate: 1,4-Dioxane-d8	*416*		*"*	*495*		*84.0*	*40-130*				
Batch BB21707 - EPA 3535A											
Blank (BB21707-BLK1) Blank								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
LCS (BB21707-BS1) LCS								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,4-Dioxane	4.19	0.300	ug/L	4.00		105	50-130				
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
Matrix Spike (BB21707-MS1) Matrix Spike *Source sample: 22B0396-01 (Matrix Spike)								Prepared: 02/10/2022 Analyzed: 02/14/2022			
1,4-Dioxane	4.16	0.300	ug/L	4.00	ND	104	50-130				
Surrogate: 1,4-Dioxane-d8	*3.84*		*"*	*4.00*		*96.0*	*50-130*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BB21707 - EPA 3535A											
Matrix Spike Dup (BB21707-M Matrix Spike Dup	*Source sample: 22B0396-01 (Matrix Spike Dup)								Prepared: 02/10/2022 Analyzed: 02/14/2022		
1,4-Dioxane	4.19	0.300	ug/L	4.00	ND	105	50-130		0.766	30	
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*50-130*				

PFAS Target compounds by LC/MS-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 BB21486 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21486-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*70.2*		"	*74.3*		*94.5*	*25-150*				
Surrogate: M5PFHxA	*75.9*		"	*80.0*		*94.9*	*25-150*				
Surrogate: M4PFHpA	*78.3*		"	*80.0*		*97.8*	*25-150*				
Surrogate: M3PFHxS	*70.6*		"	*75.7*		*93.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.3*		"	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*75.6*		"	*80.0*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*71.8*		"	*80.0*		*89.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.7*		"	*80.0*		*72.2*	*25-150*				
Surrogate: M2PFTeDA	*46.4*		"	*80.0*		*58.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.4*		"	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8*		"	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.8*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.0*		"	*80.0*		*18.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.7*		"	*80.0*		*74.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*50.6*		"	*80.0*		*63.3*	*25-150*				
Surrogate: M2-6:2 FTS	*64.9*		"	*75.9*		*85.5*	*25-200*				
Surrogate: M2-8:2 FTS	*65.5*		"	*76.6*		*85.4*	*25-200*				
Surrogate: M9PFNA	*90.5*		"	*80.0*		*113*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21486-BS1) LCS							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	70.4	2.00	ng/L	70.8		99.4	50-130				
Perfluorohexanoic acid (PFHxA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoroheptanoic acid (PFHpA)	77.6	2.00	"	80.0		97.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.8	2.00	"	72.8		91.8	50-130				
Perfluorooctanoic acid (PFOA)	71.5	2.00	"	80.0		89.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	85.0	2.00	"	74.0		115	50-130				
Perfluorononanoic acid (PFNA)	64.3	2.00	"	80.0		80.4	50-130				
Perfluorodecanoic acid (PFDA)	74.4	2.00	"	80.0		93.0	50-130				
Perfluoroundecanoic acid (PFUnA)	85.6	2.00	"	80.0		107	50-130				
Perfluorododecanoic acid (PFDoA)	78.7	2.00	"	80.0		98.4	50-130				
Perfluorotridecanoic acid (PFTrDA)	73.9	2.00	"	80.0		92.4	50-130				
Perfluorotetradecanoic acid (PFTA)	83.5	2.00	"	80.0		104	50-130				
N-MeFOSAA	81.6	2.00	"	80.0		102	50-130				
N-EtFOSAA	90.1	2.00	"	80.0		113	50-130				
Perfluoropentanoic acid (PFPeA)	77.4	2.00	"	80.0		96.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.5	2.00	"	80.0		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.1	2.00	"	76.4		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	54.9	2.00	"	77.2		71.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	56.0	5.00	"	76.0		73.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.7	2.00	"	76.8		94.6	50-175				
Perfluoro-n-butanoic acid (PFBA)	76.7	2.00	"	80.0		95.9	50-130				
Surrogate: M3PFBS	*65.5*		*"*	*74.3*		*88.2*	*25-150*				
Surrogate: M5PFHxA	*74.1*		*"*	*80.0*		*92.7*	*25-150*				
Surrogate: M4PFHpA	*72.3*		*"*	*80.0*		*90.4*	*25-150*				
Surrogate: M3PFHxS	*73.5*		*"*	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.9*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*80.2*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M7PFUdA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.0*		*"*	*80.0*		*78.8*	*25-150*				
Surrogate: M2PFTeDA	*48.2*		*"*	*80.0*		*60.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		*"*	*80.0*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.9*		*"*	*76.6*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.2*		*"*	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.0*		*"*	*80.0*		*25.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.4*		*"*	*80.0*		*78.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*53.6*		*"*	*80.0*		*67.0*	*25-150*				
Surrogate: M2-6:2 FTS	*92.8*		*"*	*75.9*		*122*	*25-200*				
Surrogate: M2-8:2 FTS	*93.1*		*"*	*76.6*		*122*	*25-200*				
Surrogate: M9PFNA	*91.9*		*"*	*80.0*		*115*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21486-BSD1) LCS Dup							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	68.9	2.00	ng/L	70.8		97.3	50-130		2.21	30	
Perfluorohexanoic acid (PFHxA)	71.4	2.00	"	80.0		89.2	50-130		4.68	30	
Perfluoroheptanoic acid (PFHpA)	73.9	2.00	"	80.0		92.4	50-130		4.90	30	
Perfluorohexanesulfonic acid (PFHxS)	68.3	2.00	"	72.8		93.8	50-130		2.15	30	
Perfluorooctanoic acid (PFOA)	69.1	2.00	"	80.0		86.4	50-130		3.36	30	
Perfluorooctanesulfonic acid (PFOS)	71.1	2.00	"	74.0		96.1	50-130		17.7	30	
Perfluorononanoic acid (PFNA)	62.9	2.00	"	80.0		78.7	50-130		2.16	30	
Perfluorodecanoic acid (PFDA)	72.9	2.00	"	80.0		91.2	50-130		2.02	30	
Perfluoroundecanoic acid (PFUnA)	71.4	2.00	"	80.0		89.3	50-130		18.0	30	
Perfluorododecanoic acid (PFDoA)	70.8	2.00	"	80.0		88.5	50-130		10.6	30	
Perfluorotridecanoic acid (PFTrDA)	70.3	2.00	"	80.0		87.9	50-130		4.99	30	
Perfluorotetradecanoic acid (PFTA)	73.2	2.00	"	80.0		91.5	50-130		13.1	30	
N-MeFOSAA	72.1	2.00	"	80.0		90.2	50-130		12.3	30	
N-EtFOSAA	90.7	2.00	"	80.0		113	50-130		0.753	30	
Perfluoropentanoic acid (PFPeA)	76.3	2.00	"	80.0		95.3	50-130		1.49	30	
Perfluoro-1-octanesulfonamide (FOSA)	78.5	2.00	"	80.0		98.2	50-130		2.66	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.5	2.00	"	76.4		108	50-130		0.771	30	
Perfluoro-1-decanesulfonic acid (PFDS)	52.4	2.00	"	77.2		67.8	50-130		4.68	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	58.1	5.00	"	76.0		76.5	50-175		3.77	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	89.8	2.00	"	76.8		117	50-175		21.0	30	
Perfluoro-n-butanoic acid (PFBA)	74.1	2.00	"	80.0		92.6	50-130		3.53	30	
Surrogate: M3PFBS	*72.4*		*"*	*74.3*		*97.4*	*25-150*				
Surrogate: M5PFHxA	*80.5*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*81.3*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*73.1*		*"*	*75.7*		*96.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.2*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*73.1*		*"*	*80.0*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*67.3*		*"*	*80.0*		*84.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.6*		*"*	*80.0*		*79.5*	*25-150*				
Surrogate: M2PFTeDA	*49.8*		*"*	*80.0*		*62.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.6*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.5*		*"*	*76.6*		*97.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.2*		*"*	*80.0*		*99.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.9*		*"*	*80.0*		*19.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*55.8*		*"*	*80.0*		*69.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*47.8*		*"*	*80.0*		*59.8*	*25-150*				
Surrogate: M2-6:2 FTS	*82.3*		*"*	*75.9*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*74.3*		*"*	*76.6*		*97.0*	*25-200*				
Surrogate: M9PFNA	*89.7*		*"*	*80.0*		*112*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21569 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB21569-BLK1) Blank — Prepared: 02/08/2022 Analyzed: 02/10/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.246	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.246	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.246	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.246	"								
Perfluorooctanoic acid (PFOA)	ND	0.246	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.246	"								
Perfluorononanoic acid (PFNA)	ND	0.246	"								
Perfluorodecanoic acid (PFDA)	ND	0.246	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.246	"								
Perfluorododecanoic acid (PFDoA)	ND	0.246	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.246	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.246	"								
N-MeFOSAA	ND	0.246	"								
N-EtFOSAA	ND	0.246	"								
Perfluoropentanoic acid (PFPeA)	ND	0.246	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.246	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.246	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.246	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.246	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.246	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.246	"								
Surrogate: M3PFBS	*4.77*		"	*4.58*		*104*	*25-150*				
Surrogate: M5PFHxA	*5.30*		"	*4.93*		*108*	*25-150*				
Surrogate: M4PFHpA	*4.82*		"	*4.93*		*97.9*	*25-150*				
Surrogate: M3PFHxS	*4.89*		"	*4.66*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.79*		"	*4.93*		*97.3*	*25-150*				
Surrogate: M6PFDA	*5.16*		"	*4.93*		*105*	*25-150*				
Surrogate: M7PFUdA	*5.16*		"	*4.93*		*105*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.87*		"	*4.93*		*98.9*	*25-150*				
Surrogate: M2PFTeDA	*3.45*		"	*4.93*		*70.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.06*		"	*4.93*		*103*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.42*		"	*4.71*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.43*		"	*4.93*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.66*		"	*4.93*		*94.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.47*		"	*4.93*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.79*		"	*4.93*		*97.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.20*		"	*4.68*		*89.8*	*25-200*				
Surrogate: M2-8:2 FTS	*5.35*		"	*4.72*		*113*	*25-200*				
Surrogate: M9PFNA	*5.63*		"	*4.93*		*114*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21569 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21569-BS1) LCS								Prepared: 02/08/2022 Analyzed: 02/10/2022			
Perfluorobutanesulfonic acid (PFBS)	4.28	0.234	ug/kg wet	4.15		103	50-130				
Perfluorohexanoic acid (PFHxA)	4.25	0.234	"	4.69		90.6	50-130				
Perfluoroheptanoic acid (PFHpA)	4.91	0.234	"	4.69		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.79	0.234	"	4.27		88.9	50-130				
Perfluorooctanoic acid (PFOA)	4.62	0.234	"	4.69		98.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.71	0.234	"	4.34		132	50-130	High Bias			
Perfluorononanoic acid (PFNA)	3.97	0.234	"	4.69		84.7	50-130				
Perfluorodecanoic acid (PFDA)	4.53	0.234	"	4.69		96.6	50-130				
Perfluoroundecanoic acid (PFUnA)	4.24	0.234	"	4.69		90.5	50-130				
Perfluorododecanoic acid (PFDoA)	4.45	0.234	"	4.69		95.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.55	0.234	"	4.69		75.7	50-130				
Perfluorotetradecanoic acid (PFTA)	4.50	0.234	"	4.69		96.0	50-130				
N-MeFOSAA	4.28	0.234	"	4.69		91.3	50-130				
N-EtFOSAA	6.34	0.234	"	4.69		135	50-130	High Bias			
Perfluoropentanoic acid (PFPeA)	4.56	0.234	"	4.69		97.2	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	3.98	0.234	"	4.69		84.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.64	0.234	"	4.48		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.93	0.234	"	4.52		86.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.99	0.234	"	4.45		89.6	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.51	0.234	"	4.50		78.1	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.66	0.234	"	4.69		99.4	50-130				
Surrogate: M3PFBS	*3.77*		*"*	*4.35*		*86.6*	*25-150*				
Surrogate: M5PFHxA	*4.43*		*"*	*4.69*		*94.6*	*25-150*				
Surrogate: M4PFHpA	*3.89*		*"*	*4.69*		*83.0*	*25-150*				
Surrogate: M3PFHxS	*4.51*		*"*	*4.43*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.16*		*"*	*4.69*		*88.7*	*25-150*				
Surrogate: M6PFDA	*4.45*		*"*	*4.69*		*94.9*	*25-150*				
Surrogate: M7PFUdA	*4.84*		*"*	*4.69*		*103*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.91*		*"*	*4.69*		*83.5*	*25-150*				
Surrogate: M2PFTeDA	*2.91*		*"*	*4.69*		*62.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.17*		*"*	*4.69*		*89.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.10*		*"*	*4.49*		*91.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.26*		*"*	*4.69*		*90.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.93*		*"*	*4.69*		*83.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.74*		*"*	*4.69*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.96*		*"*	*4.69*		*84.4*	*25-150*				
Surrogate: M2-6:2 FTS	*4.40*		*"*	*4.45*		*98.9*	*25-200*				
Surrogate: M2-8:2 FTS	*5.01*		*"*	*4.49*		*112*	*25-200*				
Surrogate: M9PFNA	*4.71*		*"*	*4.69*		*101*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21569 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB21569-MS1) Matrix Spike	*Source sample: 22B0289-01 (Matrix Spike)								Prepared: 02/08/2022 Analyzed: 02/10/2022		
Perfluorobutanesulfonic acid (PFBS)	5.62	0.297	ug/kg dry	5.26	ND	107	25-150				
Perfluorohexanoic acid (PFHxA)	5.71	0.297	"	5.95	ND	96.0	25-150				
Perfluoroheptanoic acid (PFHpA)	6.88	0.297	"	5.95	ND	116	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.98	0.297	"	5.41	ND	92.0	25-150				
Perfluorooctanoic acid (PFOA)	5.85	0.297	"	5.95	0.432	91.2	25-150				
Perfluorooctanesulfonic acid (PFOS)	8.61	0.297	"	5.50	0.773	142	25-150				
Perfluorononanoic acid (PFNA)	5.43	0.297	"	5.95	ND	91.4	25-150				
Perfluorodecanoic acid (PFDA)	6.17	0.297	"	5.95	ND	104	25-150				
Perfluoroundecanoic acid (PFUnA)	6.27	0.297	"	5.95	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	5.52	0.297	"	5.95	ND	92.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.49	0.297	"	5.95	ND	75.5	25-150				
Perfluorotetradecanoic acid (PFTA)	6.47	0.297	"	5.95	ND	109	25-150				
N-MeFOSAA	5.62	0.297	"	5.95	ND	94.5	25-150				
N-EtFOSAA	8.90	0.297	"	5.95	ND	150	25-150				
Perfluoropentanoic acid (PFPeA)	6.06	0.297	"	5.95	ND	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.63	0.297	"	5.95	ND	112	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.34	0.297	"	5.68	ND	129	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.41	0.297	"	5.74	ND	76.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.16	0.297	"	5.65	ND	55.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.56	0.297	"	5.71	ND	115	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.55	0.297	"	5.95	ND	110	25-150				
Surrogate: M3PFBS	*4.22*		"	*5.52*		*76.5*	*25-150*				
Surrogate: M5PFHxA	*4.85*		"	*5.95*		*81.5*	*25-150*				
Surrogate: M4PFHpA	*4.16*		"	*5.95*		*69.9*	*25-150*				
Surrogate: M3PFHxS	*5.05*		"	*5.62*		*89.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.38*		"	*5.95*		*90.5*	*25-150*				
Surrogate: M6PFDA	*5.38*		"	*5.95*		*90.5*	*25-150*				
Surrogate: M7PFUdA	*4.58*		"	*5.95*		*77.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.42*		"	*5.95*		*74.3*	*25-150*				
Surrogate: M2PFTeDA	*3.10*		"	*5.95*		*52.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.51*		"	*5.95*		*75.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.16*		"	*5.69*		*90.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.44*		"	*5.95*		*74.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.48*		"	*5.95*		*58.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.48*		"	*5.95*		*92.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.58*		"	*5.95*		*77.1*	*25-150*				
Surrogate: M2-6:2 FTS	*8.69*		"	*5.64*		*154*	*25-200*				
Surrogate: M2-8:2 FTS	*7.09*		"	*5.70*		*124*	*25-200*				
Surrogate: M9PFNA	*5.68*		"	*5.95*		*95.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21569 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB21569-M Matrix Spike Dup *Source sample: 22B0289-01 (Matrix Spike Dup) Prepared: 02/08/2022 Analyzed: 02/10/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.69	0.309	ug/kg dry	5.47	ND	85.8	25-150		18.0	35	
Perfluorohexanoic acid (PFHxA)	4.85	0.309	"	6.18	ND	78.5	25-150		16.2	35	
Perfluoroheptanoic acid (PFHpA)	6.00	0.309	"	6.18	ND	97.1	25-150		13.7	35	
Perfluorohexanesulfonic acid (PFHxS)	4.83	0.309	"	5.63	ND	85.9	25-150		2.91	35	
Perfluorooctanoic acid (PFOA)	5.92	0.309	"	6.18	0.432	88.7	25-150		1.06	35	
Perfluorooctanesulfonic acid (PFOS)	7.27	0.309	"	5.72	0.773	114	25-150		16.9	35	
Perfluorononanoic acid (PFNA)	5.32	0.309	"	6.18	ND	86.0	25-150		2.16	35	
Perfluorodecanoic acid (PFDA)	5.99	0.309	"	6.18	ND	96.9	25-150		2.92	35	
Perfluoroundecanoic acid (PFUnA)	6.00	0.309	"	6.18	ND	97.0	25-150		4.40	35	
Perfluorododecanoic acid (PFDoA)	5.50	0.309	"	6.18	ND	89.0	25-150		0.435	35	
Perfluorotridecanoic acid (PFTrDA)	5.12	0.309	"	6.18	ND	82.8	25-150		13.1	35	
Perfluorotetradecanoic acid (PFTA)	5.99	0.309	"	6.18	ND	96.9	25-150		7.78	35	
N-MeFOSAA	5.76	0.309	"	6.18	ND	93.2	25-150		2.51	35	
N-EtFOSAA	6.77	0.309	"	6.18	ND	110	25-150		27.2	35	
Perfluoropentanoic acid (PFPeA)	6.18	0.309	"	6.18	ND	99.9	25-150		1.85	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.63	0.309	"	6.18	ND	91.2	25-150		16.3	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.56	0.309	"	5.90	ND	111	25-150		11.2	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.36	0.309	"	5.97	ND	73.0	25-150		1.30	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.84	0.309	"	5.87	ND	82.4	25-200		42.0	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.01	0.309	"	5.93	ND	84.4	25-200		26.8	35	
Perfluoro-n-butanoic acid (PFBA)	6.19	0.309	"	6.18	ND	100	25-150		5.61	35	
Surrogate: M3PFBS	*4.72*		*"*	*5.74*		*82.1*	*25-150*				
Surrogate: M5PFHxA	*5.47*		*"*	*6.18*		*88.4*	*25-150*				
Surrogate: M4PFHpA	*4.65*		*"*	*6.18*		*75.3*	*25-150*				
Surrogate: M3PFHxS	*5.33*		*"*	*5.85*		*91.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.34*		*"*	*6.18*		*86.3*	*25-150*				
Surrogate: M6PFDA	*5.30*		*"*	*6.18*		*85.8*	*25-150*				
Surrogate: M7PFUdA	*4.68*		*"*	*6.18*		*75.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.19*		*"*	*6.18*		*67.8*	*25-150*				
Surrogate: M2PFTeDA	*3.25*		*"*	*6.18*		*52.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.61*		*"*	*6.18*		*74.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.97*		*"*	*5.92*		*84.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.48*		*"*	*6.18*		*72.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.00*		*"*	*6.18*		*64.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.30*		*"*	*6.18*		*85.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.50*		*"*	*6.18*		*88.9*	*25-150*				
Surrogate: M2-6:2 FTS	*5.32*		*"*	*5.87*		*90.7*	*25-200*				
Surrogate: M2-8:2 FTS	*7.75*		*"*	*5.92*		*131*	*25-200*				
Surrogate: M9PFNA	*5.16*		*"*	*6.18*		*83.4*	*25-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21494 - EPA 3550C											
Blank (BB21494-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0245*		*"*	*0.0664*		*36.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0224*		*"*	*0.0664*		*33.6*	*30-150*				
LCS (BB21494-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	0.0137	0.00164	mg/kg wet	0.0332		41.1	40-140				
4,4'-DDE	0.0135	0.00164	"	0.0332		40.5	40-140				
4,4'-DDT	0.0144	0.00164	"	0.0332		43.5	40-140				
Aldrin	0.0142	0.00164	"	0.0332		42.8	40-140				
alpha-BHC	0.0142	0.00164	"	0.0332		42.8	40-140				
alpha-Chlordane	0.0140	0.00164	"	0.0332		42.2	40-140				
beta-BHC	0.0140	0.00164	"	0.0332		42.0	40-140				
delta-BHC	0.0138	0.00164	"	0.0332		41.4	40-140				
Dieldrin	0.0137	0.00164	"	0.0332		41.3	40-140				
Endosulfan I	0.0147	0.00164	"	0.0332		44.4	40-140				
Endosulfan II	0.0135	0.00164	"	0.0332		40.6	40-140				
Endosulfan sulfate	0.0135	0.00164	"	0.0332		40.7	40-140				
Endrin	0.0134	0.00164	"	0.0332		40.3	40-140				
Endrin aldehyde	0.0165	0.00164	"	0.0332		49.7	40-140				
Endrin ketone	0.0156	0.00164	"	0.0332		47.1	40-140				
gamma-BHC (Lindane)	0.0143	0.00164	"	0.0332		43.2	40-140				
gamma-Chlordane	0.0139	0.00164	"	0.0332		42.0	40-140				
Heptachlor	0.0135	0.00164	"	0.0332		40.6	40-140				
Heptachlor epoxide	0.0144	0.00164	"	0.0332		43.3	40-140				
Methoxychlor	0.0136	0.00164	"	0.0332		40.9	40-140				
Surrogate: Decachlorobiphenyl	*0.0232*		*"*	*0.0664*		*34.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0201*		*"*	*0.0664*		*30.2*	*30-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21581 - EPA SW846-3510C Low Level											
Blank (BB21581-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	*0.127*		*"*	*0.200*		*63.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.133*		*"*	*0.200*		*66.5*	*30-150*				
Blank (BB21581-BLK2) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.200*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.200*			*30-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21581 - EPA SW846-3510C Low Level											
LCS (BB21581-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	0.0834	0.00400	ug/L	0.100		83.4	40-140				
4,4'-DDE	0.0912	0.00400	"	0.100		91.2	40-140				
4,4'-DDT	0.101	0.00400	"	0.100		101	40-140				
Aldrin	0.0850	0.00400	"	0.100		85.0	40-140				
alpha-BHC	0.0918	0.00400	"	0.100		91.8	40-140				
alpha-Chlordane	0.0872	0.00400	"	0.100		87.2	40-140				
beta-BHC	0.0861	0.00400	"	0.100		86.1	40-140				
delta-BHC	0.0875	0.00400	"	0.100		87.5	40-140				
Dieldrin	0.0922	0.00200	"	0.100		92.2	40-140				
Endosulfan I	0.0895	0.00400	"	0.100		89.5	40-140				
Endosulfan II	0.0889	0.00400	"	0.100		88.9	40-140				
Endosulfan sulfate	0.0743	0.00400	"	0.100		74.3	40-140				
Endrin	0.105	0.00400	"	0.100		105	40-140				
Endrin aldehyde	0.0946	0.0100	"	0.100		94.6	40-140				
Endrin ketone	0.0991	0.0100	"	0.100		99.1	40-140				
gamma-BHC (Lindane)	0.0960	0.00400	"	0.100		96.0	40-140				
gamma-Chlordane	0.0878	0.0100	"	0.100		87.8	40-140				
Heptachlor	0.0967	0.00400	"	0.100		96.7	40-140				
Heptachlor epoxide	0.0928	0.00400	"	0.100		92.8	40-140				
Methoxychlor	0.114	0.00400	"	0.100		114	40-140				
Surrogate: Decachlorobiphenyl	*0.113*		*"*	*0.200*		*56.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.114*		*"*	*0.200*		*56.8*	*30-150*				
LCS (BB21581-BS2) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L				40-140				
4,4'-DDE	ND	0.00400	"				40-140				
4,4'-DDT	ND	0.00400	"				40-140				
Aldrin	ND	0.00400	"				40-140				
alpha-BHC	ND	0.00400	"				40-140				
alpha-Chlordane	ND	0.00400	"				40-140				
beta-BHC	ND	0.00400	"				40-140				
delta-BHC	ND	0.00400	"				40-140				
Dieldrin	ND	0.00200	"				40-140				
Endosulfan I	ND	0.00400	"				40-140				
Endosulfan II	ND	0.00400	"				40-140				
Endosulfan sulfate	ND	0.00400	"				40-140				
Endrin	ND	0.00400	"				40-140				
Endrin aldehyde	ND	0.0100	"				40-140				
Endrin ketone	ND	0.0100	"				40-140				
gamma-BHC (Lindane)	ND	0.00400	"				40-140				
gamma-Chlordane	ND	0.0100	"				40-140				
Heptachlor	ND	0.00400	"				40-140				
Heptachlor epoxide	ND	0.00400	"				40-140				
Methoxychlor	ND	0.00400	"				40-140				
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.200*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.200*			*30-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21581 - EPA SW846-3510C Low Level											
LCS Dup (BB21581-BSD1) LCS Dup								Prepared: 02/08/2022 Analyzed: 02/09/2022			
4,4'-DDD	0.100	0.00400	ug/L	0.100		100	40-140		18.2	20	
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140		11.4	20	
4,4'-DDT	0.116	0.00400	"	0.100		116	40-140		14.1	20	
Aldrin	0.0939	0.00400	"	0.100		93.9	40-140		9.97	20	
alpha-BHC	0.0991	0.00400	"	0.100		99.1	40-140		7.68	20	
alpha-Chlordane	0.0992	0.00400	"	0.100		99.2	40-140		12.9	20	
beta-BHC	0.117	0.00400	"	0.100		117	40-140		30.1	20	Non-dir.
delta-BHC	0.116	0.00400	"	0.100		116	40-140		28.0	20	Non-dir.
Dieldrin	0.103	0.00200	"	0.100		103	40-140		10.9	20	
Endosulfan I	0.0979	0.00400	"	0.100		97.9	40-140		9.02	20	
Endosulfan II	0.0999	0.00400	"	0.100		99.9	40-140		11.6	20	
Endosulfan sulfate	0.0854	0.00400	"	0.100		85.4	40-140		13.9	20	
Endrin	0.118	0.00400	"	0.100		118	40-140		11.9	20	
Endrin aldehyde	0.111	0.0100	"	0.100		111	40-140		15.9	20	
Endrin ketone	0.116	0.0100	"	0.100		116	40-140		15.8	20	
gamma-BHC (Lindane)	0.108	0.00400	"	0.100		108	40-140		11.4	20	
gamma-Chlordane	0.100	0.0100	"	0.100		100	40-140		13.3	20	
Heptachlor	0.121	0.00400	"	0.100		121	40-140		21.9	20	Non-dir.
Heptachlor epoxide	0.101	0.00400	"	0.100		101	40-140		8.88	20	
Methoxychlor	0.124	0.00400	"	0.100		124	40-140		8.50	20	
Surrogate: Decachlorobiphenyl	*0.126*		*"*	*0.200*		*63.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.110*		*"*	*0.200*		*54.9*	*30-150*				
LCS Dup (BB21581-BSD2) LCS Dup								Prepared: 02/08/2022 Analyzed: 02/09/2022			
4,4'-DDD	ND	0.00400	ug/L				40-140			20	
4,4'-DDE	ND	0.00400	"				40-140			20	
4,4'-DDT	ND	0.00400	"				40-140			20	
Aldrin	ND	0.00400	"				40-140			20	
alpha-BHC	ND	0.00400	"				40-140			20	
alpha-Chlordane	ND	0.00400	"				40-140			20	
beta-BHC	ND	0.00400	"				40-140			20	
delta-BHC	ND	0.00400	"				40-140			20	
Dieldrin	ND	0.00200	"				40-140			20	
Endosulfan I	ND	0.00400	"				40-140			20	
Endosulfan II	ND	0.00400	"				40-140			20	
Endosulfan sulfate	ND	0.00400	"				40-140			20	
Endrin	ND	0.00400	"				40-140			20	
Endrin aldehyde	ND	0.0100	"				40-140			20	
Endrin ketone	ND	0.0100	"				40-140			20	
gamma-BHC (Lindane)	ND	0.00400	"				40-140			20	
gamma-Chlordane	ND	0.0100	"				40-140			20	
Heptachlor	ND	0.00400	"				40-140			20	
Heptachlor epoxide	ND	0.00400	"				40-140			20	
Methoxychlor	ND	0.00400	"				40-140			20	
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.200*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.200*			*30-150*				

Organochlorine Pesticides by GC/ECD - 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 Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix							Prepared & Analyzed: 02/07/2022				
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2B0919 - BB21553											
Performance Mix (Y2B0919-P Performance Mix							Prepared & Analyzed: 02/08/2022				
4,4'-DDD	15.6		ng/mL	0.00			0-200				
4,4'-DDE	2.56		"	0.00			0-200				
4,4'-DDT	185		"	200		92.3	0-200				
Endrin	132		"	100		132	0-200				
Endrin aldehyde	8.82		"	0.00			0-200				
Endrin ketone	16.6		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*283*		*"*	*200*		*142*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*268*		*"*	*200*		*134*	*0-200*				
Batch Y2B1025 - BB21553											
Performance Mix (Y2B1025-P Performance Mix							Prepared & Analyzed: 02/09/2022				
4,4'-DDD	18.6		ng/mL	0.00			0-200				
4,4'-DDE	2.70		"	0.00			0-200				
4,4'-DDT	215		"	200		107	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	2.89		"	0.00			0-200				
Endrin ketone	17.7		"	0.00			0-200				

Organochlorine Pesticides by GC/ECD - 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 Y2B1025 - BB21553											
Performance Mix (Y2B1025-P Performance Mix										Prepared & Analyzed: 02/09/2022	
4,4'-DDD	20.4		ng/mL	0.00			0-200				
4,4'-DDE	2.57		"	0.00			0-200				
4,4'-DDT	200		"	200		100	0-200				
Endrin	143		"	100		143	0-200				
Endrin aldehyde	10.4		"	0.00			0-200				
Endrin ketone	18.6		"	0.00			0-200				
Batch Y2B1118 - BB21626											
Performance Mix (Y2B1118-P Performance Mix										Prepared & Analyzed: 02/10/2022	
4,4'-DDD	23.9		ng/mL	0.00			0-200				
4,4'-DDE	3.55		"	0.00			0-200				
4,4'-DDT	237		"	200		119	0-200				
Endrin	171		"	100		171	0-200				
Endrin aldehyde	12.2		"	0.00			0-200				
Endrin ketone	21.1		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - 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 BB21494 - EPA 3550C											
Blank (BB21494-BLK2) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0362*		*"*	*0.0664*		*54.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0402*		*"*	*0.0664*		*60.5*	*30-120*				
LCS (BB21494-BS2) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aroclor 1016	0.288	0.0166	mg/kg wet	0.332		86.6	40-130				
Aroclor 1260	0.316	0.0166	"	0.332		95.0	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0458*		*"*	*0.0664*		*69.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0505*		*"*	*0.0664*		*76.0*	*30-120*				
Matrix Spike (BB21494-MS2) Matrix Spike *Source sample: 22A1207-20 (Matrix Spike)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aroclor 1016	0.254	0.0189	mg/kg dry	0.377	ND	67.4	40-140				
Aroclor 1260	0.375	0.0189	"	0.377	ND	99.4	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0562*		*"*	*0.0755*		*74.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0543*		*"*	*0.0755*		*72.0*	*30-120*				
Matrix Spike Dup (BB21494-M Matrix Spike Dup *Source sample: 22A1207-20 (Matrix Spike Dup)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aroclor 1016	0.168	0.0189	mg/kg dry	0.377	ND	44.7	40-140		40.5	50	
Aroclor 1260	0.269	0.0189	"	0.377	ND	71.3	40-140		32.9	50	
Surrogate: Tetrachloro-m-xylene	*0.0479*		*"*	*0.0755*		*63.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0441*		*"*	*0.0755*		*58.5*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - 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 BB21581 - EPA SW846-3510C Low Level											
Blank (BB21581-BLK2) Blank								Prepared & Analyzed: 02/08/2022			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.153*		*"*	*0.200*		*76.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.126*		*"*	*0.200*		*63.0*	*30-120*				
LCS (BB21581-BS2) LCS								Prepared & Analyzed: 02/08/2022			
Aroclor 1016	0.888	0.0500	ug/L	1.00		88.8	40-120				
Aroclor 1260	0.828	0.0500	"	1.00		82.8	40-120				
Surrogate: Tetrachloro-m-xylene	*0.136*		*"*	*0.200*		*68.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.102*		*"*	*0.200*		*51.0*	*30-120*				
LCS Dup (BB21581-BSD2) LCS Dup								Prepared & Analyzed: 02/08/2022			
Aroclor 1016	0.910	0.0500	ug/L	1.00		91.0	40-120		2.49	30	
Aroclor 1260	0.883	0.0500	"	1.00		88.3	40-120		6.45	30	
Surrogate: Tetrachloro-m-xylene	*0.140*		*"*	*0.200*		*70.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.108*		*"*	*0.200*		*54.0*	*30-120*				
Batch Y2B0828 - BB21581											
Aroclor Reference (Y2B0828- Aroclor Reference								Prepared & Analyzed: 02/08/2022			
Surrogate: Tetrachloro-m-xylene	*0.198*		*ug/mL*	*0.200*		*99.0*					
Surrogate: Decachlorobiphenyl	*0.168*		*"*	*0.200*		*84.0*					

Polychlorinated Biphenyls by GC/ECD - 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 Y2B0830 - BB21553											
Aroclor Reference (Y2B0830- Aroclor Reference										Prepared & Analyzed: 02/08/2022	
Surrogate: Tetrachloro-m-xylene	*0.185*		*ug/mL*	*0.200*		*92.5*					
Surrogate: Decachlorobiphenyl	*0.196*		*"*	*0.200*		*98.0*					

Chlorinated Herbicides by GC/ECD - 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 BB21582 - EPA 3550C/8151A											
Blank (BB21582-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.254*		*"*	*0.415*		*61.2*	*21-150*				
LCS (BB21582-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	0.0507	0.0199	mg/kg wet	0.133		38.1	10-120				
2,4,5-TP (Silvex)	0.0623	0.0199	"	0.133		46.9	10-120				
2,4-D	0.0581	0.0199	"	0.133		43.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.255*		*"*	*0.415*		*61.4*	*21-150*				
Matrix Spike (BB21582-MS1) Matrix Spike *Source sample: 22B0289-01 (Matrix Spike)									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	0.0825	0.0257	mg/kg dry	0.171	ND	48.1	10-120				
2,4,5-TP (Silvex)	0.0867	0.0257	"	0.171	ND	50.6	10-120				
2,4-D	0.0921	0.0257	"	0.171	ND	53.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.293*		*"*	*0.535*		*54.8*	*21-150*				
Matrix Spike Dup (BB21582-M Matrix Spike Dup *Source sample: 22B0289-01 (Matrix Spike Dup)									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	0.0696	0.0257	mg/kg dry	0.171	ND	40.6	10-120		16.9	35	
2,4,5-TP (Silvex)	0.0728	0.0257	"	0.171	ND	42.5	10-120		17.4	35	
2,4-D	0.0760	0.0257	"	0.171	ND	44.4	10-118		19.1	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.246*		*"*	*0.535*		*46.0*	*21-150*				
Batch BB21643 - EPA 8151A											
Blank (BB21643-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*88.5*		*"*	*125*		*70.8*	*30-150*				

Chlorinated Herbicides by GC/ECD - 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 BB21643 - EPA 8151A											
LCS (BB21643-BS1) LCS								Prepared: 02/10/2022 Analyzed: 02/11/2022			
2,4,5-T	18.5	5.00	ug/L	40.0		46.2	10-140				
2,4,5-TP (Silvex)	21.2	5.00	"	40.0		53.1	10-139				
2,4-D	20.5	5.00	"	40.0		51.2	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*78.8*		*"*	*125*		*63.0*	*30-150*				
Batch BB21710 - EPA 3550C/8151A											
Blank (BB21710-BLK1) Blank								Prepared: 02/10/2022 Analyzed: 02/11/2022			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.297*		*"*	*0.415*		*71.4*	*21-150*				
LCS (BB21710-BS1) LCS								Prepared: 02/10/2022 Analyzed: 02/11/2022			
2,4,5-T	0.0756	0.0199	mg/kg wet	0.133		56.9	10-120				
2,4,5-TP (Silvex)	0.0814	0.0199	"	0.133		61.2	10-120				
2,4-D	0.0797	0.0199	"	0.133		60.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.309*		*"*	*0.415*		*74.4*	*21-150*				
Matrix Spike (BB21710-MS1) Matrix Spike *Source sample: 22B0369-01 (Matrix Spike)								Prepared: 02/10/2022 Analyzed: 02/11/2022			
2,4,5-T	0.0909	0.0230	mg/kg dry	0.153	ND	59.4	10-120				
2,4,5-TP (Silvex)	0.0996	0.0230	"	0.153	ND	65.0	10-120				
2,4-D	0.0996	0.0230	"	0.153	ND	65.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.364*		*"*	*0.479*		*76.0*	*21-150*				
Matrix Spike Dup (BB21710-M Matrix Spike Dup *Source sample: 22B0369-01 (Matrix Spike Dup)								Prepared: 02/10/2022 Analyzed: 02/11/2022			
2,4,5-T	0.0814	0.0230	mg/kg dry	0.153	ND	53.1	10-120		11.1	35	
2,4,5-TP (Silvex)	0.0909	0.0230	"	0.153	ND	59.4	10-120		9.05	35	
2,4-D	0.0909	0.0230	"	0.153	ND	59.4	10-118		9.05	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.354*		*"*	*0.479*		*74.0*	*21-150*				

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 BB21595 - EPA 3015A											
Blank (BB21595-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.105	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BB21595-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	2.33		ug/mL	2.00		117	80-120				
Barium	2.45		"	2.00		123	80-120	High Bias			
Calcium	1.28		"	1.00		128	80-120	High Bias			
Chromium	0.233		"	0.200		116	80-120				
Cobalt	0.610		"	0.500		122	80-120	High Bias			
Copper	0.298		"	0.250		119	80-120				
Iron	1.26		"	1.00		126	80-120	High Bias			
Lead	0.601		"	0.500		120	80-120				
Magnesium	1.23		"	1.00		123	80-120	High Bias			
Manganese	0.611		"	0.500		122	80-120	High Bias			
Nickel	0.594		"	0.500		119	80-120				
Potassium	1.23		"	1.00		123	80-120	High Bias			
Silver	0.0561		"	0.0500		112	80-120				
Sodium	1.15		"	1.00		115	80-120				
Vanadium	0.592		"	0.500		118	80-120				
Zinc	0.566		"	0.500		113	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 BB21595 - EPA 3015A											
Duplicate (BB21595-DUP1) Duplicate	*Source sample: 22B0058-03 (Duplicate)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	0.442	0.0556	mg/L		0.946				72.7	20	Non-dir.
Barium	ND	0.0278	"		ND					20	
Calcium	674	0.0556	"		680				0.792	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	0.00468	0.00444	"		0.00472				0.880	20	
Copper	ND	0.0222	"		ND					20	
Iron	166	0.278	"		166				0.00867	20	
Lead	0.00784	0.00556	"		0.00619				23.5	20	Non-dir.
Magnesium	54.8	0.0556	"		54.7				0.0932	20	
Manganese	2.06	0.00556	"		2.08				0.813	20	
Nickel	0.0218	0.0111	"		0.0249				13.1	20	
Potassium	50.2	0.0556	"		50.5				0.578	20	
Silver	ND	0.00556	"		ND					20	
Sodium	225	0.556	"		228				1.48	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	5.63	0.0278	"		5.64				0.131	20	
Matrix Spike (BB21595-MS1) Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	3.03	0.0556	mg/L	2.22	0.946	93.9	75-125				
Barium	2.58	0.0278	"	2.22	ND	116	75-125				
Calcium	666	0.0556	"	1.11	680	NR	75-125	Low Bias			
Chromium	0.254	0.00556	"	0.222	ND	114	75-125				
Cobalt	0.654	0.00444	"	0.556	0.00472	117	75-125				
Copper	0.336	0.0222	"	0.278	ND	121	75-125				
Iron	167	0.278	"	1.11	166	91.3	75-125				
Lead	0.636	0.00556	"	0.556	0.00619	113	75-125				
Magnesium	55.6	0.0556	"	1.11	54.7	84.9	75-125				
Manganese	2.72	0.00556	"	0.556	2.08	114	75-125				
Nickel	0.707	0.0111	"	0.556	0.0249	123	75-125				
Potassium	51.6	0.0556	"	1.11	50.5	97.3	75-125				
Silver	0.0626	0.00556	"	0.0556	ND	113	75-125				
Sodium	227	0.556	"	1.11	228	NR	75-125	Low Bias			
Vanadium	0.639	0.0111	"	0.556	ND	115	75-125				
Zinc	6.11	0.0278	"	0.556	5.64	84.6	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 BB21595 - EPA 3015A											
Post Spike (BB21595-PS1) Post Spike	*Source sample: 22B0058-03 (Post Spike)							Prepared: 02/08/2022 Analyzed: 02/09/2022			
Aluminum	3.24		ug/mL	2.00	0.851	120	75-125				
Barium	2.38		"	2.00	0.0230	118	75-125				
Calcium	617		"	1.00	612	482	75-125	High Bias			
Chromium	0.236		"	0.200	-0.00108	118	75-125				
Cobalt	0.607		"	0.500	0.00425	121	75-125				
Copper	0.313		"	0.250	-0.00101	125	75-125				
Iron	156		"	1.00	150	634	75-125	High Bias			
Lead	0.591		"	0.500	0.00557	117	75-125				
Magnesium	51.8		"	1.00	49.2	256	75-125	High Bias			
Manganese	2.49		"	0.500	1.87	124	75-125				
Nickel	0.658		"	0.500	0.0224	127	75-125	High Bias			
Potassium	47.8		"	1.00	45.5	231	75-125	High Bias			
Silver	0.0505		"	0.0500	-0.000364	101	75-125				
Sodium	208		"	1.00	206	245	75-125	High Bias			
Vanadium	0.591		"	0.500	-0.00165	118	75-125				
Zinc	5.58		"	0.500	5.07	102	75-125				
Batch BB21610 - EPA 3050B											
Blank (BB21610-BLK1) Blank								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	6.93	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	13.1	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

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 BB21610 - EPA 3050B											
Duplicate (BB21610-DUP1) Duplicate	*Source sample: 22B0236-02 (Duplicate)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	7520	5.27	mg/kg dry		7680				2.09	35	
Antimony	ND	2.63	"		ND					35	
Arsenic	ND	1.58	"		ND					35	
Barium	61.0	2.63	"		41.3				38.5	35	Non-dir.
Beryllium	ND	0.053	"		ND					35	
Cadmium	ND	0.316	"		ND					35	
Calcium	2900	5.27	"		2900				0.0744	35	
Chromium	19.8	0.527	"		20.9				5.33	35	
Cobalt	8.52	0.421	"		12.6				38.9	35	Non-dir.
Copper	25.0	2.11	"		22.9				8.99	35	
Iron	18300	26.3	"		21900				18.3	35	
Lead	103	0.527	"		26.0				120	35	Non-dir.
Magnesium	2980	5.27	"		3390				13.0	35	
Manganese	461	0.527	"		468				1.58	35	
Nickel	26.5	1.05	"		28.9				8.70	35	
Potassium	786	5.27	"		882				11.5	35	
Selenium	ND	2.63	"		ND					35	
Silver	ND	0.527	"		ND					35	
Sodium	165	52.7	"		184				10.7	35	
Thallium	ND	2.63	"		ND					35	
Vanadium	32.8	1.05	"		38.1				15.1	35	
Zinc	47.6	2.63	"		38.6				20.9	35	
Matrix Spike (BB21610-MS1) Matrix Spike	*Source sample: 22B0236-02 (Matrix Spike)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	10200	5.27	mg/kg dry	211	7680	NR	75-125	High Bias			
Antimony	10.8	2.63	"	26.3	ND	41.1	75-125	Low Bias			
Arsenic	239	1.58	"	211	ND	114	75-125				
Barium	307	2.63	"	211	41.3	126	75-125	High Bias			
Beryllium	6.00	0.053	"	5.27	ND	114	75-125				
Cadmium	6.46	0.316	"	5.27	ND	123	75-125				
Calcium	3330	5.27	"	105	2900	410	75-125	High Bias			
Chromium	52.3	0.527	"	21.1	20.9	149	75-125	High Bias			
Cobalt	75.8	0.421	"	52.7	12.6	120	75-125				
Copper	63.2	2.11	"	26.3	22.9	153	75-125	High Bias			
Iron	19600	26.3	"	105	21900	NR	75-125	Low Bias			
Lead	85.7	0.527	"	52.7	26.0	113	75-125				
Magnesium	4320	5.27	"	105	3390	877	75-125	High Bias			
Manganese	558	0.527	"	52.7	468	171	75-125	High Bias			
Nickel	98.7	1.05	"	52.7	28.9	133	75-125	High Bias			
Potassium	1190	5.27	"	105	882	292	75-125	High Bias			
Selenium	180	2.63	"	211	ND	85.4	75-125				
Silver	6.30	0.527	"	5.27	ND	120	75-125				
Sodium	398	52.7	"	105	184	203	75-125	High Bias			
Thallium	231	2.63	"	211	ND	110	75-125				
Vanadium	95.6	1.05	"	52.7	38.1	109	75-125				
Zinc	108	2.63	"	52.7	38.6	131	75-125	High Bias			

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 BB21610 - EPA 3050B											
Post Spike (BB21610-PS1) Post Spike	*Source sample: 22B0236-02 (Post Spike)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	73.3		ug/mL	2.00	72.9	21.4	75-125	Low Bias			
Antimony	0.328		"	0.250	0.024	121	75-125				
Arsenic	2.27		"	2.00	0.008	113	75-125				
Barium	2.82		"	2.00	0.392	121	75-125				
Beryllium	0.052		"	0.0500	-0.006	105	75-125				
Cadmium	0.059		"	0.0500	0.001	116	75-125				
Calcium	27.7		"	1.00	27.5	19.5	75-125	Low Bias			
Chromium	0.424		"	0.200	0.199	113	75-125				
Cobalt	0.726		"	0.500	0.120	121	75-125				
Copper	0.519		"	0.250	0.217	121	75-125				
Iron	198		"	1.00	208	NR	75-125	Low Bias			
Lead	0.840		"	0.500	0.247	119	75-125				
Magnesium	31.5		"	1.00	32.2	NR	75-125	Low Bias			
Manganese	4.92		"	0.500	4.45	95.7	75-125				
Nickel	0.882		"	0.500	0.275	121	75-125				
Potassium	9.16		"	1.00	8.38	78.9	75-125				
Selenium	1.63		"	2.00	-0.324	81.5	75-125				
Silver	0.051		"	0.0500	-0.001	102	75-125				
Sodium	2.89		"	1.00	1.75	114	75-125				
Thallium	2.15		"	2.00	-0.028	108	75-125				
Vanadium	0.936		"	0.500	0.362	115	75-125				
Zinc	0.924		"	0.500	0.367	112	75-125				
Reference (BB21610-SRM1) Reference									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	10700	5.00	mg/kg wet	8130		132	49.9-150.1				
Antimony	83.4	2.50	"	134		62.3	19.3-250				
Arsenic	186	1.50	"	156		119	69.9-130.1				
Barium	301	2.50	"	239		126	74.9-124.7	High Bias			
Beryllium	201	0.050	"	169		119	75.1-125.4				
Cadmium	153	0.300	"	137		112	75.2-124.8				
Calcium	5430	5.00	"	4760		114	72.7-127.5				
Chromium	179	0.500	"	154		116	70.1-129.9				
Cobalt	146	0.400	"	121		121	75-124.8				
Copper	69.8	2.00	"	54.9		127	74.9-125	High Bias			
Iron	17900	25.0	"	14100		127	34.9-164.5				
Lead	156	0.500	"	130		120	71.8-128.5				
Magnesium	2790	5.00	"	2320		120	62.1-137.9				
Manganese	340	0.500	"	269		126	74-126.4				
Nickel	76.4	1.00	"	53.9		142	69.9-129.9	High Bias			
Potassium	2570	5.00	"	2020		127	58.9-141.1				
Selenium	139	2.50	"	167		83.0	67.7-132.3				
Silver	38.9	0.500	"	33.6		116	68.5-131.3				
Sodium	162	50.0	"	133		122	35-165.4				
Thallium	124	2.50	"	112		111	67.9-131.3				
Vanadium	75.0	1.00	"	62.6		120	59.1-141.1				
Zinc	185	2.50	"	158		117	70.3-129.7				

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 BB22088 - EPA 3050B											
Blank (BB22088-BLK1) Blank									Prepared: 02/16/2022 Analyzed: 02/17/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	71.2	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	4.09	2.50	"								
Duplicate (BB22088-DUP1) Duplicate	*Source sample: 22B0652-08 (Duplicate)								Prepared: 02/16/2022 Analyzed: 02/17/2022		
Aluminum	10500	5.95	mg/kg dry		8190				24.7	35	
Antimony	5.87	2.97	"		5.11				13.9	35	
Arsenic	7.65	1.78	"		9.66				23.2	35	
Barium	710	2.97	"		843				17.1	35	
Beryllium	ND	0.059	"		ND					35	
Cadmium	1.87	0.357	"		2.01				7.54	35	
Calcium	4640	5.95	"		5540				17.6	35	
Chromium	35.9	0.595	"		26.4				30.5	35	
Cobalt	10.5	0.476	"		9.06				15.1	35	
Copper	131	2.38	"		154				16.0	35	
Iron	31500	29.7	"		22400				33.8	35	
Lead	1020	0.595	"		1250				20.6	35	
Magnesium	2790	5.95	"		1880				39.0	35	Non-dir.
Manganese	284	0.595	"		364				24.6	35	
Nickel	29.1	1.19	"		22.3				26.8	35	
Potassium	1040	5.95	"		1010				2.73	35	
Selenium	ND	2.97	"		ND					35	
Silver	ND	0.595	"		ND					35	
Sodium	156	59.5	"		133				15.9	35	
Thallium	ND	2.97	"		ND					35	
Vanadium	39.4	1.19	"		46.1				15.7	35	
Zinc	529	2.97	"		771				37.3	35	Non-dir.

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 BB22088 - EPA 3050B											
Matrix Spike (BB22088-MS1) Matrix Spike	*Source sample: 22B0652-08 (Matrix Spike)								Prepared: 02/16/2022 Analyzed: 02/17/2022		
Aluminum	9000	5.95	mg/kg dry	238	8190	339	75-125	High Bias			
Antimony	13.9	2.97	"	29.7	5.11	29.5	75-125	Low Bias			
Arsenic	248	1.78	"	238	9.66	100	75-125				
Barium	1070	2.97	"	238	843	93.7	75-125				
Beryllium	5.92	0.059	"	5.95	ND	99.6	75-125				
Cadmium	9.22	0.357	"	5.95	2.01	121	75-125				
Calcium	5950	5.95	"	119	5540	351	75-125	High Bias			
Chromium	51.4	0.595	"	23.8	26.4	105	75-125				
Cobalt	75.9	0.476	"	59.5	9.06	112	75-125				
Copper	235	2.38	"	29.7	154	274	75-125	High Bias			
Iron	25200	29.7	"	119	22400	NR	75-125	High Bias			
Lead	1230	0.595	"	59.5	1250	NR	75-125	Low Bias			
Magnesium	2150	5.95	"	119	1880	231	75-125	High Bias			
Manganese	437	0.595	"	59.5	364	122	75-125				
Nickel	92.8	1.19	"	59.5	22.3	119	75-125				
Potassium	1310	5.95	"	119	1010	254	75-125	High Bias			
Selenium	176	2.97	"	238	ND	73.8	75-125	Low Bias			
Silver	6.42	0.595	"	5.95	ND	108	75-125				
Sodium	273	59.5	"	119	133	117	75-125				
Thallium	238	2.97	"	238	ND	100	75-125				
Vanadium	106	1.19	"	59.5	46.1	99.9	75-125				
Zinc	732	2.97	"	59.5	771	NR	75-125	Low Bias			
Post Spike (BB22088-PS1) Post Spike	*Source sample: 22B0652-08 (Post Spike)								Prepared: 02/16/2022 Analyzed: 02/17/2022		
Aluminum	73.3		ug/mL	2.00	68.9	221	75-125	High Bias			
Antimony	0.312		"	0.250	0.043	107	75-125				
Arsenic	2.15		"	2.00	0.081	104	75-125				
Barium	8.77		"	2.00	7.09	83.8	75-125				
Beryllium	0.050		"	0.0500	-0.004	101	75-125				
Cadmium	0.073		"	0.0500	0.017	112	75-125				
Calcium	48.8		"	1.00	46.5	223	75-125	High Bias			
Chromium	0.428		"	0.200	0.222	103	75-125				
Cobalt	0.640		"	0.500	0.076	113	75-125				
Copper	1.50		"	0.250	1.29	80.6	75-125				
Iron	194		"	1.00	188	632	75-125	High Bias			
Lead	10.4		"	0.500	10.5	NR	75-125	Low Bias			
Magnesium	17.3		"	1.00	15.8	154	75-125	High Bias			
Manganese	3.47		"	0.500	3.06	81.8	75-125				
Nickel	0.773		"	0.500	0.187	117	75-125				
Potassium	9.87		"	1.00	8.50	137	75-125	High Bias			
Selenium	1.60		"	2.00	-0.243	79.8	75-125				
Silver	0.038		"	0.0500	0.002	70.9	75-125	Low Bias			
Sodium	2.28		"	1.00	1.12	116	75-125				
Thallium	2.09		"	2.00	-0.029	104	75-125				
Vanadium	0.891		"	0.500	0.388	101	75-125				
Zinc	6.51		"	0.500	6.49	4.35	75-125	Low Bias			

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 BB22088 - EPA 3050B											
Reference (BB22088-SRM1) Reference								Prepared: 02/16/2022 Analyzed: 02/17/2022			
Aluminum	8950	5.00	mg/kg wet	8130		110	49.9-150.1				
Antimony	75.7	2.50	"	134		56.5	19.3-250				
Arsenic	169	1.50	"	156		109	69.9-130.1				
Barium	264	2.50	"	239		110	74.9-124.7				
Beryllium	181	0.050	"	169		107	75.1-125.4				
Cadmium	148	0.300	"	137		108	75.2-124.8				
Calcium	5000	5.00	"	4760		105	72.7-127.5				
Chromium	162	0.500	"	154		105	70.1-129.9				
Cobalt	134	0.400	"	121		111	75-124.8				
Copper	60.5	2.00	"	54.9		110	74.9-125				
Iron	15400	25.0	"	14100		109	34.9-164.5				
Lead	142	0.500	"	130		109	71.8-128.5				
Magnesium	2530	5.00	"	2320		109	62.1-137.9				
Manganese	302	0.500	"	269		112	74-126.4				
Nickel	69.8	1.00	"	53.9		130	69.9-129.9	High Bias			
Potassium	2160	5.00	"	2020		107	58.9-141.1				
Selenium	139	2.50	"	167		83.0	67.7-132.3				
Silver	35.2	0.500	"	33.6		105	68.5-131.3				
Sodium	144	50.0	"	133		108	35-165.4				
Thallium	118	2.50	"	112		105	67.9-131.3				
Vanadium	63.0	1.00	"	62.6		101	59.1-141.1				
Zinc	130	2.50	"	158		82.5	70.3-129.7				

Metals by ICP/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 BB21640 - EPA 3015A											
Blank (BB21640-BLK1) Blank								Prepared & Analyzed: 02/09/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BB21640-BS1) LCS								Prepared & Analyzed: 02/09/2022			
Antimony	51.0		ug/L	50.0		102	80-120				
Arsenic	49.3		"	50.0		98.5	80-120				
Beryllium	55.4		"	50.0		111	80-120				
Cadmium	46.3		"	50.0		92.7	80-120				
Selenium	44.7		"	50.0		89.3	80-120				
Thallium	49.7		"	50.0		99.4	80-120				
Duplicate (BB21640-DUP1) Duplicate	*Source sample: 22B0058-03 (Duplicate)							Prepared & Analyzed: 02/09/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.0130	0.00111	"		0.0130				0.551	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	ND	0.00111	"		ND					20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BB21640-MS1) Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)							Prepared & Analyzed: 02/09/2022			
Antimony	47.7		ug/L	50.0	0.223	94.9	75-125				
Arsenic	68.3		"	50.0	11.7	113	75-125				
Beryllium	36.9		"	50.0	0.092	73.5	75-125	Low Bias			
Cadmium	50.4		"	50.0	0.111	100	75-125				
Selenium	59.5		"	50.0	-1.34	119	75-125				
Thallium	41.7		"	50.0	-0.00003	83.4	75-125				

Mercury by EPA 7000/200 Series Methods - 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 BB21619 - EPA SW846-7470A												
Blank (BB21619-BLK1)	Blank								Prepared & Analyzed: 02/08/2022			
Mercury		ND	0.0002	mg/L								
LCS (BB21619-BS1)	LCS								Prepared & Analyzed: 02/08/2022			
Mercury		0.0020287	0.0002	mg/L	0.00200		101	80-120				
LCS (BB21619-BS2)	LCS								Prepared & Analyzed: 02/08/2022			
Mercury		0.0020255	0.0002	mg/L	0.00200		101	80-120				
Batch BB21670 - EPA 7473 soil												
Blank (BB21670-BLK1)	Blank								Prepared & Analyzed: 02/09/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB21670-DUP1)	Duplicate	*Source sample: 22B0234-05 (016_LSB-1_4-6)							Prepared & Analyzed: 02/09/2022			
Mercury		0.951	0.0383	mg/kg dry		0.692				31.6	35	
Matrix Spike (BB21670-MS1)	Matrix Spike	*Source sample: 22B0234-05 (016_LSB-1_4-6)							Prepared & Analyzed: 02/09/2022			
Mercury		1.22		mg/kg	0.500	0.542	135	75-125	High Bias			
Reference (BB21670-SRM1)	Reference								Prepared & Analyzed: 02/09/2022			
Mercury		29.120		mg/kg	27.2		107	59.9-140.1				
Batch BB22143 - EPA 7473 soil												
Blank (BB22143-BLK1)	Blank								Prepared & Analyzed: 02/17/2022			
Mercury		ND	0.0300	mg/kg wet								

Mercury by EPA 7000/200 Series Methods - 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 BB22143 - EPA 7473 soil											
Duplicate (BB22143-DUP1) Duplicate	*Source sample: 22B0234-04 (015_LSB-1_2-4)								Prepared & Analyzed: 02/17/2022		
Mercury	0.889	0.0350	mg/kg dry		0.544				48.2	35	Non-dir.
Matrix Spike (BB22143-MS1) Matrix Spike	*Source sample: 22B0234-04 (015_LSB-1_2-4)								Prepared & Analyzed: 02/17/2022		
Mercury	1.07		mg/kg	0.500	0.466	121	75-125				
Reference (BB22143-SRM1) Reference									Prepared & Analyzed: 02/17/2022		
Mercury	22.344		mg/kg	27.2		82.1	59.9-140.1				

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 BB21448 - Analysis Preparation												
Blank (BB21448-BLK1)	Blank								Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BB21448-BS1)	LCS								Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		0.511	0.0100	mg/L	0.500		102	80-120				
Duplicate (BB21448-DUP1)	Duplicate	*Source sample: 22B0234-03 (014_FB-1)							Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BB21448-MS1)	Matrix Spike	*Source sample: 22B0234-03 (014_FB-1)							Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		0.482	0.0100	mg/L	0.500	ND	96.4	75-125				
Batch BB21475 - EPA SW846-3060												
Blank (BB21475-BLK1)	Blank								Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21475-DUP1)	Duplicate	*Source sample: 22B0220-01 (Duplicate)							Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		ND	0.551	mg/kg dry		ND					35	
Matrix Spike (BB21475-MS1)	Matrix Spike	*Source sample: 22B0220-01 (Matrix Spike)							Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		ND	0.551	mg/kg dry	22.0	ND		75-125	Low Bias			
Reference (BB21475-SRM1)	Reference								Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		59.7		mg/L	109		54.8	30-169.7				
Batch BB21562 - Analysis Preparation												
Blank (BB21562-BLK1)	Blank								Prepared & Analyzed: 02/08/2022			
Cyanide, total		ND	0.0100	mg/L								

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 BB21562 - Analysis Preparation												
LCS (BB21562-BS1)	LCS								Prepared & Analyzed: 02/08/2022			
Cyanide, total		0.205	0.0100	mg/L	0.200		102	76.2-107				
Duplicate (BB21562-DUP1)	Duplicate	*Source sample: 22B0106-12 (Duplicate)							Prepared & Analyzed: 02/08/2022			
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BB21562-MS1)	Matrix Spike	*Source sample: 22B0106-12 (Matrix Spike)							Prepared & Analyzed: 02/08/2022			
Cyanide, total		0.202	0.0100	mg/L	0.200	ND	101	79-105				
Batch BB21604 - Analysis Preparation Soil												
Blank (BB21604-BLK1)	Blank								Prepared & Analyzed: 02/08/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21604-DUP1)	Duplicate	*Source sample: 22B0232-05 (Duplicate)							Prepared & Analyzed: 02/08/2022			
Cyanide, total		1.25	0.642	mg/kg dry		1.19				4.57	15	
Matrix Spike (BB21604-MS1)	Matrix Spike	*Source sample: 22B0232-05 (Matrix Spike)							Prepared & Analyzed: 02/08/2022			
Cyanide, total		2.30	0.642	mg/kg dry	12.8	1.19	8.62	79.6-107	Low Bias			
Reference (BB21604-SRM1)	Reference								Prepared & Analyzed: 02/08/2022			
Cyanide, total		93.8		ug/mL	86.8		108	41.82-157.83				

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 BB22095 - % Solids Prep												
Duplicate (BB22095-DUP1)	Duplicate	*Source sample: 22B0234-04 (015_LSB-1_2-4)								Prepared: 02/16/2022 Analyzed: 02/17/2022		
% Solids		84.7	0.100	%		85.6				1.10	20	
Batch BC10009 - % Solids Prep												
Duplicate (BC10009-DUP1)	Duplicate	*Source sample: 22B0236-11 (Duplicate)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
% Solids		97.6	0.100	%		98.2				0.653	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0234-01	012_TB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0234-03	014_FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0234-05	016_LSB-1_4-6	40mL Vial with Stir Bar-Cool 4° C
22B0234-10	022_LSB-6_8-10	40mL Vial with Stir Bar-Cool 4° C
22B0234-13	025_LSB-5_15-17	40mL Vial with Stir Bar-Cool 4° C
22B0234-14	026_LSB-7_2-4	40mL Vial with Stir Bar-Cool 4° C
22B0234-17	029_DUP-1	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
CCV-E	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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope 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.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
M-CRL	The RL check for this element recovered outside of control limits.

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. 22B0234

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:	100964201	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 213 Meadow Street	RUSH - Two Day
Phone.: 973 560 4900	Phone.:	Phone.:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail: mmattern@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) Morgan McBride

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
012-TB-2	AQ	2/4/22 —	VOCs	(N)
013-EB-2	↓	1530	PFAS, 1,4-dioxane	
014-FB-1	↓	0700	VOCs, SVOCs, pesticides, PCBs, herbicides, TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS	
015-LSB-1-2-4	S	0835		
016-LSB-1-4-6	↓	0840		
017-LSB-1-6-8	↓	0845		(N)
~~018-LSB-(N)~~				
~~019-LSB-LSB-~~ 019-LSB-6-2-4	↓	1110		
020-LSB-6-4-6	↓	1115		
021-LSB-6-6-8	↓	1120		(Q)

Comments: *Please hold samples: 015-LSB-1-2-4, ~~017~~ 017-LSB-1-4-6, 019-LSB-6-2-4, 020-LSB-6-4-6, 021-LSB-6-6-8

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
Morgan McBride Langan	2/4/22 1500	Andrew S. York	2/4/22 1500	Andrew S. York	2/4/22 2105
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	2/4/22 2105 / 4C

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 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 22B0734

YOUR Information	Report To:	Invoice To:
Company:	Company:	Company:
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact:	Contact:	Contact:
E-mail:	E-mail:	E-mail:

SAME SAME SAME

YOUR Project Number: 100964201

YOUR Project Name: 213 Meadow Street

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.

Morgan McBride

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 Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | 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
022_LSB-6-8-10	S	2/4/22 1125	VOCs, SVOCs, pesticides, PCBs, herbicides, TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS	
023_LSB-5_4-7		1330		
024_LSB-5_10-12		1340		
025_LSB-5_15-17		1345		
026_LSB-7_2-4		1430		
027_LSB-7_4-6		1435		
028_LSB-7_6-8		1440		
029_DUP-1		1445		
031_EB-3	AQ	1505	PFAS, 1,4-dioxane	

Comments:

*Please hold samples: 022_LSB-5_4-7 027_LSB-7_4-6 024_LSB-5_10-12 028_LSB-7_6-8

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
Morgan McBride Lanigan	2/4/22 1500	Andrew S York	2/4/22 1500	Andrew S York	2/4/22 2105
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	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
				[illegible]	2/4/22 2108 / 4.5 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/16/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0319

Report Date: 02/16/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0319

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

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 08, 2022 and listed below. The project was identified as your project: **100964201**.

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
22B0319-01	032_LMW-1	Water	02/07/2022	02/08/2022
22B0319-02	033_DUP-2	Water	02/07/2022	02/08/2022
22B0319-03	034_LMW-2	Water	02/07/2022	02/08/2022
22B0319-04	035_FB-2	Water	02/07/2022	02/08/2022
22B0319-05	036_EB-4	Water	02/07/2022	02/08/2022
22B0319-06	037_TB-3	Water	02/07/2022	02/08/2022

General Notes for York Project (SDG) No.: 22B0319

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:** 02/16/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.750**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	**4-Methyl-2-pentanone**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**127**		ug/L	5.00	10.0	5	EPA 8260C	02/09/2022 06:48	02/15/2022 19:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.340**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**9.93**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	**tert-Butyl alcohol (TBA)**	**2.48**	CCV-E	ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*35.6 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*23.5 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.1 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.6 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*103 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.3 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1.89**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0600**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.920**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	**Benzo(a)anthracene**	**0.500**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.480**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.390**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.340**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.380**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	**Chrysene**	**0.590**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0700**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**1.71**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**1.66**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.300**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.760**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**4.04**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**1.49**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 14:37	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**0.608**		ug/L	0.300	1	EPA 8270D SIM	02/10/2022 07:43	02/11/2022 12:21	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**14.3**		ng/L	1.85	1	EPA 537m	02/09/2022 10:40	02/09/2022 19:47	WL
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**33.9**		ng/L	1.85	1	EPA 537m	02/09/2022 10:40	02/09/2022 19:47	WL
							Certifications:			

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**27.1**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**13.9**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**75.9**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**11.1**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**54.2**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**15.0**		ng/L	4.63	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**25.7**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:47	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*66.3 %*	*25-150*
Surrogate: M5PFHxA	*70.4 %*	*25-150*
Surrogate: M4PFHpA	*45.2 %*	*25-150*

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*92.5 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*106 %*		*25-150*						
	Surrogate: M6PFDA	*109 %*		*25-150*						
	Surrogate: M7PFUdA	*102 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*93.4 %*		*25-150*						
	Surrogate: M2PFTeDA	*73.2 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*57.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*108 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*51.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*23.3 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*125 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*134 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*180 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*203 %*	PFSu-H	*25-200*						
	Surrogate: M9PFNA	*120 %*		*25-150*						

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:14	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*31.7 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.3 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:26	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.0 %*		*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*29.0 %*	S-GC	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:17	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:17	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:17	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*57.8 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	**Aluminum**	**1.08**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**0.510**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**228**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**0.00733**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**44.9**		mg/L	0.278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**0.0313**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Metals, Target Analyte, ICP

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
7439-95-4	**Magnesium**	**94.5**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**1.03**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**95.2**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**412**		mg/L	0.556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.0366**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:01	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.00388**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:01	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:01	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:01	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00991**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:01	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:01	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/08/2022 18:20	02/08/2022 18:20	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 032_LMW-1 **York Sample ID:** 22B0319-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 9:35 am	02/08/2022

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	02/08/2022 20:37	02/08/2022 22:36	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/15/2022 15:40	02/15/2022 15:52	PAM
							Certifications:			

Cyanide, 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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	02/10/2022 18:00	02/10/2022 21:15	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**1.04**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	**4-Methyl-2-pentanone**	**0.200**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**135**		ug/L	5.00	10.0	5	EPA 8260C	02/10/2022 06:29	02/10/2022 17:48	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.490**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**11.4**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	**tert-Butyl alcohol (TBA)**	**2.64**	CCV-E	ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 16:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 12:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*33.6 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*22.3 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*80.2 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*73.8 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*94.1 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*80.1 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1.31**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0500**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.780**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	**Benzo(a)anthracene**	**0.700**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.830**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.770**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.550**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.660**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	**Chrysene**	**0.860**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.110**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**1.86**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**1.19**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.480**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.520**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**3.20**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**1.66**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**0.752**		ug/L	0.300	1	EPA 8270D SIM	02/10/2022 07:43	02/11/2022 12:38	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*64.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**7.73**		ng/L	1.89	1	EPA 537m	02/09/2022 10:40	02/09/2022 19:59	WL
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**34.6**		ng/L	1.89	1	EPA 537m	02/09/2022 10:40	02/09/2022 19:59	WL
							Certifications:			

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**28.0**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**15.9**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**81.9**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**9.73**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**54.2**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**13.3**		ng/L	4.73	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**33.9**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:59	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*57.1 %*	*25-150*
Surrogate: M5PFHxA	*61.8 %*	*25-150*
Surrogate: M4PFHpA	*37.1 %*	*25-150*

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*76.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*79.0 %*			*25-150*					
	Surrogate: M6PFDA	*84.8 %*			*25-150*					
	Surrogate: M7PFUdA	*81.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*79.4 %*			*25-150*					
	Surrogate: M2PFTeDA	*61.3 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*52.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*46.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*32.3 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*103 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*101 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*171 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*143 %*			*25-200*					
	Surrogate: M9PFNA	*89.0 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:31	CM
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*28.7 %*	S-GC	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.7 %*		*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/11/2022 16:39	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.5 %*		*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*26.0 %*	S-GC	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*56.8 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	**Aluminum**	**0.902**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**0.518**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**226**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**0.00698**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**45.2**		mg/L	0.278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**0.0240**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Metals, Target Analyte, ICP

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
7439-95-4	**Magnesium**	**94.9**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**1.06**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**94.3**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**406**		mg/L	0.556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:04	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.00391**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:04	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:04	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:04	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00863**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:04	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:04	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/08/2022 18:20	02/08/2022 18:20	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 033_DUP-2 **York Sample ID:** 22B0319-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 10:35 am	02/08/2022

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	02/08/2022 20:37	02/08/2022 22:36	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/15/2022 15:40	02/15/2022 15:52	PAM
							Certifications:			

Cyanide, 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
57-12-5	**Cyanide, total**	**0.0358**		mg/L	0.0100	1	SM 4500 CN C/E	02/10/2022 18:00	02/10/2022 21:15	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**6.12**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.580**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**2.50**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:18	JTG
								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*	*103 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*30.2 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*22.6 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*76.1 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.4 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*86.9 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.3 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**2.06**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.630**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.290**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**0.270**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.740**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.130**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**0.710**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.180**		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 15:50	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**1.92**		ug/L	0.300	1	EPA 8270D SIM	02/10/2022 07:43	02/11/2022 12:55	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*92.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**17.0**		ng/L	1.85	1	EPA 537m	02/09/2022 10:40	02/09/2022 20:11	WL
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**58.7**		ng/L	1.85	1	EPA 537m	02/09/2022 10:40	02/09/2022 20:11	WL
							Certifications:			

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**61.9**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**27.8**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**135**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**114**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**14.3**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**2.45**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
2355-31-9	* **N-MeFOSAA**	**2.21**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
2991-50-6	* **N-EtFOSAA**	**3.68**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**94.6**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**5.11**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**43.6**		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:11	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.9 %*	*25-150*
Surrogate: M5PFHxA	*71.7 %*	*25-150*
Surrogate: M4PFHpA	*45.6 %*	*25-150*

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*93.4 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*113 %*		*25-150*						
	Surrogate: M6PFDA	*110 %*		*25-150*						
	Surrogate: M7PFUdA	*104 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*92.2 %*		*25-150*						
	Surrogate: M2PFTeDA	*78.2 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*51.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*108 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*52.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*24.3 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*112 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*130 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*221 %*	PFSu-H	*25-200*						
	Surrogate: M2-8:2 FTS	*191 %*		*25-200*						
	Surrogate: M9PFNA	*120 %*		*25-150*						

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 18:48	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.4 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:39	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*34.0 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*76.6 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	**Aluminum**	**0.542**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**0.159**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**353**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**4.91**		mg/L	0.278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Metals, Target Analyte, ICP

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
7439-95-4	**Magnesium**	**52.0**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**0.221**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**40.7**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**80.0**		mg/L	0.556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.0286**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.00361**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00810**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:07	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/08/2022 18:20	02/08/2022 18:20	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 034_LMW-2 **York Sample ID:** 22B0319-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 1:05 pm	02/08/2022

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	02/08/2022 20:37	02/08/2022 22:36	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/15/2022 15:40	02/15/2022 15:52	PAM
							Certifications:			

Cyanide, 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
57-12-5	**Cyanide, total**	**0.0559**		mg/L	0.0100	1	SM 4500 CN C/E	02/10/2022 18:00	02/10/2022 21:15	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:57	JTG
								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*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/11/2022 12:57	02/14/2022 13:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*28.2 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*18.4 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*72.2 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*60.1 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*86.3 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.9 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 16:27	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	02/10/2022 07:43	02/11/2022 13:12	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*88.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m	02/09/2022 10:40	02/09/2022 20:36	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m	02/09/2022 10:40	02/09/2022 20:36	WL
							Certifications:			

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:36	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*77.3 %*	*25-150*
Surrogate: M5PFHxA	*84.6 %*	*25-150*
Surrogate: M4PFHpA	*71.0 %*	*25-150*

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*83.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*79.3 %*			*25-150*					
	Surrogate: M6PFDA	*81.7 %*			*25-150*					
	Surrogate: M7PFUdA	*71.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.7 %*			*25-150*					
	Surrogate: M2PFTeDA	*60.6 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*75.7 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.4 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*67.8 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*76.2 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*73.0 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*83.9 %*			*25-200*					
	Surrogate: M9PFNA	*87.1 %*			*25-150*					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:05	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.2 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 20:53	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.0 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 21:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*57.6 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**0.273**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**1.20**		mg/L	0.278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Metals, Target Analyte, ICP

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
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.0465**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:17	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:17	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:17	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:17	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:17	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:17	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/08/2022 18:20	02/08/2022 18:20	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 035_FB-2 **York Sample ID:** 22B0319-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:00 pm	02/08/2022

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	02/08/2022 20:37	02/08/2022 22:36	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/15/2022 15:40	02/15/2022 15:52	PAM
							Certifications:			

Cyanide, 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
57-12-5	**Cyanide, total**	**0.0344**		mg/L	0.0100	1	SM 4500 CN C/E	02/10/2022 18:00	02/10/2022 21:15	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 036_EB-4 **York Sample ID:** 22B0319-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:10 pm	02/08/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/10/2022 07:43	02/11/2022 13:29	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*96.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL

Sample Information

Client Sample ID: 036_EB-4 **York Sample ID:** 22B0319-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 2:10 pm	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 20:48	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*98.9 %*	*25-150*
Surrogate: M5PFHxA	*100 %*	*25-150*
Surrogate: M4PFHpA	*94.9 %*	*25-150*
Surrogate: M3PFHxS	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.7 %*	*25-150*
Surrogate: M6PFDA	*107 %*	*25-150*
Surrogate: M7PFUdA	*118 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*100 %*	*25-150*
Surrogate: M2PFTeDA	*84.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*94.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*93.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*96.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*116 %*	*25-150*
Surrogate: M2-6:2 FTS	*99.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*107 %*	*25-200*
Surrogate: M9PFNA	*113 %*	*25-150*

Sample Information

Client Sample ID: 037_TB-3 **York Sample ID:** 22B0319-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 037_TB-3 **York Sample ID:** 22B0319-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 037_TB-3 **York Sample ID:** 22B0319-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 037_TB-3 **York Sample ID:** 22B0319-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0319	100964201	Water	February 7, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:36	JTG
								Certifications:	CTDOH,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*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*79-122*

Analytical Batch Summary

Batch ID: BB21619 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/08/22
22B0319-02	033_DUP-2	02/08/22
22B0319-03	034_LMW-2	02/08/22
22B0319-04	035_FB-2	02/08/22
BB21619-BLK1	Blank	02/08/22
BB21619-BS1	LCS	02/08/22
BB21619-BS2	LCS	02/08/22

Batch ID: BB21622 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/08/22
22B0319-02	033_DUP-2	02/08/22
22B0319-03	034_LMW-2	02/08/22
22B0319-04	035_FB-2	02/08/22
BB21622-BLK1	Blank	02/08/22
BB21622-BS1	LCS	02/08/22
BB21622-DUP1	Duplicate	02/08/22
BB21622-MS1	Matrix Spike	02/08/22

Batch ID: BB21642 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/09/22
22B0319-02	033_DUP-2	02/09/22
22B0319-03	034_LMW-2	02/09/22
22B0319-04	035_FB-2	02/09/22
22B0319-05	036_EB-4	02/09/22
BB21642-BLK1	Blank	02/09/22
BB21642-BS1	LCS	02/09/22
BB21642-BSD1	LCS Dup	02/09/22

Batch ID: BB21643 **Preparation Method:** EPA 8151A **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/10/22
22B0319-02	033_DUP-2	02/10/22
22B0319-03	034_LMW-2	02/10/22
22B0319-04	035_FB-2	02/10/22
BB21643-BLK1	Blank	02/10/22
BB21643-BS1	LCS	02/10/22

Batch ID: BB21654 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/09/22
22B0319-01	032_LMW-1	02/09/22
22B0319-02	033_DUP-2	02/09/22
22B0319-02	033_DUP-2	02/09/22
22B0319-03	034_LMW-2	02/09/22
22B0319-03	034_LMW-2	02/09/22
22B0319-04	035_FB-2	02/09/22
22B0319-04	035_FB-2	02/09/22
BB21654-BLK1	Blank	02/09/22
BB21654-BLK2	Blank	02/09/22
BB21654-BS1	LCS	02/09/22
BB21654-BS2	LCS	02/09/22
BB21654-BSD1	LCS Dup	02/09/22
BB21654-BSD2	LCS Dup	02/09/22

Batch ID: BB21678 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/09/22
22B0319-02	033_DUP-2	02/09/22
22B0319-03	034_LMW-2	02/09/22
22B0319-04	035_FB-2	02/09/22
22B0319-06	037_TB-3	02/09/22
BB21678-BLK1	Blank	02/09/22
BB21678-BS1	LCS	02/09/22
BB21678-BSD1	LCS Dup	02/09/22

Batch ID: BB21707 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/10/22
22B0319-02	033_DUP-2	02/10/22
22B0319-03	034_LMW-2	02/10/22
22B0319-04	035_FB-2	02/10/22
22B0319-05	036_EB-4	02/10/22
BB21707-BLK1	Blank	02/10/22
BB21707-BS1	LCS	02/10/22
BB21707-MS1	Matrix Spike	02/10/22
BB21707-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21726 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-02RE1	033_DUP-2	02/10/22
BB21726-BLK1	Blank	02/10/22
BB21726-BS1	LCS	02/10/22
BB21726-BSD1	LCS Dup	02/10/22

Batch ID: BB21742 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/10/22
22B0319-02	033_DUP-2	02/10/22
22B0319-03	034_LMW-2	02/10/22
22B0319-04	035_FB-2	02/10/22
BB21742-BLK1	Blank	02/10/22
BB21742-BS1	LCS	02/10/22
BB21742-DUP1	Duplicate	02/10/22
BB21742-MS1	Matrix Spike	02/10/22
BB21742-PS1	Post Spike	02/10/22

Batch ID: BB21760 **Preparation Method:** Analysis Preparation **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/10/22
22B0319-02	033_DUP-2	02/10/22
22B0319-03	034_LMW-2	02/10/22
22B0319-04	035_FB-2	02/10/22
BB21760-BLK1	Blank	02/10/22
BB21760-BS1	LCS	02/10/22
BB21760-DUP1	Duplicate	02/10/22
BB21760-MS1	Matrix Spike	02/10/22

Batch ID: BB21821 **Preparation Method:** EPA 3510C **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/11/22
22B0319-02	033_DUP-2	02/11/22
22B0319-03	034_LMW-2	02/11/22
22B0319-04	035_FB-2	02/11/22
BB21821-BLK1	Blank	02/11/22
BB21821-BLK2	Blank	02/11/22
BB21821-BS1	LCS	02/11/22
BB21821-BS2	LCS	02/11/22

Batch ID: BB21874 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01RE1	032_LMW-1	02/09/22
BB21874-BLK1	Blank	02/15/22
BB21874-BS1	LCS	02/15/22
BB21874-BSD1	LCS Dup	02/15/22
BB21874-MS1	Matrix Spike	02/15/22
BB21874-MSD1	Matrix Spike Dup	02/15/22

Batch ID: BB21916 **Preparation Method:** EPA 3015A **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/14/22
22B0319-02	033_DUP-2	02/14/22
22B0319-03	034_LMW-2	02/14/22
22B0319-04	035_FB-2	02/14/22
BB21916-BLK1	Blank	02/14/22
BB21916-BS1	LCS	02/14/22
BB21916-DUP1	Duplicate	02/14/22
BB21916-MS1	Matrix Spike	02/14/22

Batch ID: BB21983 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0319-01	032_LMW-1	02/15/22
22B0319-02	033_DUP-2	02/15/22
22B0319-03	034_LMW-2	02/15/22
22B0319-04	035_FB-2	02/15/22

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 BB21678 - EPA 5030B											
Blank (BB21678-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								

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 BB21678 - EPA 5030B											
Blank (BB21678-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*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 BB21678 - EPA 5030B											
LCS (BB21678-BS1) LCS							Prepared & Analyzed: 02/09/2022				
1,1,1,2-Tetrachloroethane	8.78		ug/L	10.0		87.8	82-126				
1,1,1-Trichloroethane	9.14		"	10.0		91.4	78-136				
1,1,2,2-Tetrachloroethane	9.46		"	10.0		94.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	8.78		"	10.0		87.8	82-123				
1,1-Dichloroethane	9.78		"	10.0		97.8	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	9.26		"	10.0		92.6	83-133				
1,2,3-Trichlorobenzene	7.23		"	10.0		72.3	76-136	Low Bias			
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128				
1,2,4-Trichlorobenzene	7.57		"	10.0		75.7	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.83		"	10.0		98.3	82-132				
1,2-Dibromo-3-chloropropane	7.29		"	10.0		72.9	45-147				
1,2-Dibromoethane	8.77		"	10.0		87.7	83-124				
1,2-Dichlorobenzene	9.36		"	10.0		93.6	79-123				
1,2-Dichloroethane	9.58		"	10.0		95.8	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	9.95		"	10.0		99.5	80-131				
1,3-Dichlorobenzene	8.84		"	10.0		88.4	86-122				
1,3-Dichloropropane	9.20		"	10.0		92.0	81-125				
1,4-Dichlorobenzene	9.06		"	10.0		90.6	85-124				
1,4-Dioxane	227		"	210		108	10-349				
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150				
2-Butanone	9.40		"	10.0		94.0	49-152				
2-Chlorotoluene	10.1		"	10.0		101	79-130				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145				
Acetone	9.41		"	10.0		94.1	14-150				
Acrolein	5.22		"	10.0		52.2	10-153				
Acrylonitrile	9.64		"	10.0		96.4	51-150				
Benzene	9.73		"	10.0		97.3	85-126				
Bromobenzene	9.80		"	10.0		98.0	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.19		"	10.0		91.9	79-128				
Bromoform	7.57		"	10.0		75.7	78-133	Low Bias			
Bromomethane	3.19		"	10.0		31.9	43-168	Low Bias			
Carbon disulfide	10.2		"	10.0		102	68-146				
Carbon tetrachloride	9.22		"	10.0		92.2	77-141				
Chlorobenzene	9.80		"	10.0		98.0	88-120				
Chloroethane	10.4		"	10.0		104	65-136				
Chloroform	9.44		"	10.0		94.4	82-128				
Chloromethane	10.0		"	10.0		100	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	9.31		"	10.0		93.1	80-131				
Cyclohexane	8.15		"	10.0		81.5	63-149				
Dibromochloromethane	8.12		"	10.0		81.2	80-130				
Dibromomethane	8.97		"	10.0		89.7	72-134				
Dichlorodifluoromethane	11.6		"	10.0		116	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.73		"	10.0		97.3	67-146				

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 BB21678 - EPA 5030B											
LCS (BB21678-BS1) LCS								Prepared & Analyzed: 02/09/2022			
Isopropylbenzene	10.5		ug/L	10.0		105	76-140				
Methyl acetate	9.33		"	10.0		93.3	51-139				
Methyl tert-butyl ether (MTBE)	9.04		"	10.0		90.4	76-135				
Methylcyclohexane	10.8		"	10.0		108	72-143				
Methylene chloride	9.72		"	10.0		97.2	55-137				
n-Butylbenzene	10.9		"	10.0		109	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	18.0		"	20.0		90.0	77-133				
p-Isopropyltoluene	9.91		"	10.0		99.1	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	9.76		"	10.0		97.6	67-132				
tert-Butyl alcohol (TBA)	38.7		"	50.0		77.4	25-162				
tert-Butylbenzene	7.97		"	10.0		79.7	77-138				
Tetrachloroethylene	8.48		"	10.0		84.8	82-131				
Toluene	9.92		"	10.0		99.2	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.04		"	10.0		90.4	78-131				
Trichloroethylene	9.41		"	10.0		94.1	82-128				
Trichlorofluoromethane	11.2		"	10.0		112	67-139				
Vinyl acetate	10.8		"	10.0		108	21-90	High Bias			
Vinyl Chloride	12.8		"	10.0		128	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
LCS Dup (BB21678-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2022			
1,1,1,2-Tetrachloroethane	8.71		ug/L	10.0		87.1	82-126		0.800	30	
1,1,1-Trichloroethane	8.90		"	10.0		89.0	78-136		2.66	30	
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129		3.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		3.13	30	
1,1,2-Trichloroethane	9.06		"	10.0		90.6	82-123		3.14	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	82-129		2.07	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		4.53	30	
1,1-Dichloropropylene	9.05		"	10.0		90.5	83-133		2.29	30	
1,2,3-Trichlorobenzene	7.53		"	10.0		75.3	76-136	Low Bias	4.07	30	
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128		3.96	30	
1,2,4-Trichlorobenzene	7.73		"	10.0		77.3	76-137		2.09	30	
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	82-132		5.22	30	
1,2-Dibromo-3-chloropropane	7.69		"	10.0		76.9	45-147		5.34	30	
1,2-Dibromoethane	9.16		"	10.0		91.6	83-124		4.35	30	
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123		2.49	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		1.35	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		0.474	30	
1,3,5-Trimethylbenzene	9.49		"	10.0		94.9	80-131		4.73	30	
1,3-Dichlorobenzene	8.45		"	10.0		84.5	86-122	Low Bias	4.51	30	
1,3-Dichloropropane	9.50		"	10.0		95.0	81-125		3.21	30	
1,4-Dichlorobenzene	8.71		"	10.0		87.1	85-124		3.94	30	
1,4-Dioxane	239		"	210		114	10-349		5.20	30	
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150		3.46	30	
2-Butanone	10.1		"	10.0		101	49-152		7.48	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 BB21678 - EPA 5030B											
LCS Dup (BB21678-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2022			
2-Chlorotoluene	9.66		ug/L	10.0		96.6	79-130		4.65	30	
2-Hexanone	11.0		"	10.0		110	51-146		8.70	30	
4-Chlorotoluene	9.66		"	10.0		96.6	79-128		4.75	30	
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145		8.85	30	
Acetone	9.91		"	10.0		99.1	14-150		5.18	30	
Acrolein	5.54		"	10.0		55.4	10-153		5.95	30	
Acrylonitrile	9.76		"	10.0		97.6	51-150		1.24	30	
Benzene	9.53		"	10.0		95.3	85-126		2.08	30	
Bromobenzene	9.61		"	10.0		96.1	78-129		1.96	30	
Bromochloromethane	10.0		"	10.0		100	77-128		0.498	30	
Bromodichloromethane	9.21		"	10.0		92.1	79-128		0.217	30	
Bromoform	8.00		"	10.0		80.0	78-133		5.52	30	
Bromomethane	2.82		"	10.0		28.2	43-168	Low Bias	12.3	30	
Carbon disulfide	9.58		"	10.0		95.8	68-146		5.97	30	
Carbon tetrachloride	8.98		"	10.0		89.8	77-141		2.64	30	
Chlorobenzene	9.63		"	10.0		96.3	88-120		1.75	30	
Chloroethane	9.71		"	10.0		97.1	65-136		6.57	30	
Chloroform	9.23		"	10.0		92.3	82-128		2.25	30	
Chloromethane	8.75		"	10.0		87.5	43-155		13.4	30	
cis-1,2-Dichloroethylene	9.64		"	10.0		96.4	83-129		2.15	30	
cis-1,3-Dichloropropylene	9.34		"	10.0		93.4	80-131		0.322	30	
Cyclohexane	8.00		"	10.0		80.0	63-149		1.86	30	
Dibromochloromethane	8.38		"	10.0		83.8	80-130		3.15	30	
Dibromomethane	9.27		"	10.0		92.7	72-134		3.29	30	
Dichlorodifluoromethane	10.5		"	10.0		105	44-144		10.1	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		2.11	30	
Hexachlorobutadiene	9.98		"	10.0		99.8	67-146		2.54	30	
Isopropylbenzene	9.99		"	10.0		99.9	76-140		5.17	30	
Methyl acetate	10.0		"	10.0		100	51-139		6.93	30	
Methyl tert-butyl ether (MTBE)	9.33		"	10.0		93.3	76-135		3.16	30	
Methylcyclohexane	10.7		"	10.0		107	72-143		0.745	30	
Methylene chloride	9.50		"	10.0		95.0	55-137		2.29	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		3.74	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		5.31	30	
o-Xylene	10.1		"	10.0		101	78-130		1.77	30	
p- & m- Xylenes	17.6		"	20.0		88.0	77-133		2.30	30	
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136		4.65	30	
sec-Butylbenzene	9.75		"	10.0		97.5	79-137		5.29	30	
Styrene	9.65		"	10.0		96.5	67-132		1.13	30	
tert-Butyl alcohol (TBA)	43.1		"	50.0		86.3	25-162		10.8	30	
tert-Butylbenzene	7.57		"	10.0		75.7	77-138	Low Bias	5.15	30	
Tetrachloroethylene	8.36		"	10.0		83.6	82-131		1.43	30	
Toluene	9.78		"	10.0		97.8	80-127		1.42	30	
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132		3.72	30	
trans-1,3-Dichloropropylene	9.31		"	10.0		93.1	78-131		2.94	30	
Trichloroethylene	9.21		"	10.0		92.1	82-128		2.15	30	
Trichlorofluoromethane	10.5		"	10.0		105	67-139		7.09	30	
Vinyl acetate	11.7		"	10.0		117	21-90	High Bias	7.84	30	
Vinyl Chloride	8.63		"	10.0		86.3	58-145		39.2	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				

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 BB21678 - EPA 5030B											
LCS Dup (BB21678-BSD1) LCS Dup									Prepared & Analyzed: 02/09/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*ug/L*	*10.0*		*104*	*79-122*				
Batch BB21726 - EPA 5030B											
Blank (BB21726-BLK1) Blank									Prepared & Analyzed: 02/10/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								

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 BB21726 - EPA 5030B											
Blank (BB21726-BLK1) Blank									Prepared & Analyzed: 02/10/2022		
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		"	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		"	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.4*		"	*10.0*		*114*	*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 BB21726 - EPA 5030B											
LCS (BB21726-BS1) LCS								Prepared & Analyzed: 02/10/2022			
1,1,1,2-Tetrachloroethane	8.86		ug/L	10.0		88.6	82-126				
1,1,1-Trichloroethane	9.16		"	10.0		91.6	78-136				
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165				
1,1,2-Trichloroethane	9.02		"	10.0		90.2	82-123				
1,1-Dichloroethane	9.95		"	10.0		99.5	82-129				
1,1-Dichloroethylene	10.9		"	10.0		109	68-138				
1,1-Dichloropropylene	9.36		"	10.0		93.6	83-133				
1,2,3-Trichlorobenzene	7.45		"	10.0		74.5	76-136	Low Bias			
1,2,3-Trichloropropane	9.17		"	10.0		91.7	77-128				
1,2,4-Trichlorobenzene	7.71		"	10.0		77.1	76-137				
1,2,4-Trimethylbenzene	9.94		"	10.0		99.4	82-132				
1,2-Dibromo-3-chloropropane	7.57		"	10.0		75.7	45-147				
1,2-Dibromoethane	8.89		"	10.0		88.9	83-124				
1,2-Dichlorobenzene	9.40		"	10.0		94.0	79-123				
1,2-Dichloroethane	9.77		"	10.0		97.7	73-132				
1,2-Dichloropropane	11.1		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	8.80		"	10.0		88.0	86-122				
1,3-Dichloropropane	9.54		"	10.0		95.4	81-125				
1,4-Dichlorobenzene	9.09		"	10.0		90.9	85-124				
1,4-Dioxane	234		"	210		111	10-349				
2,2-Dichloropropane	9.70		"	10.0		97.0	56-150				
2-Butanone	9.67		"	10.0		96.7	49-152				
2-Chlorotoluene	10.3		"	10.0		103	79-130				
2-Hexanone	10.7		"	10.0		107	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	9.53		"	10.0		95.3	14-150				
Acrolein	5.03		"	10.0		50.3	10-153				
Acrylonitrile	9.98		"	10.0		99.8	51-150				
Benzene	9.77		"	10.0		97.7	85-126				
Bromobenzene	10.1		"	10.0		101	78-129				
Bromochloromethane	10.4		"	10.0		104	77-128				
Bromodichloromethane	9.47		"	10.0		94.7	79-128				
Bromoform	7.58		"	10.0		75.8	78-133	Low Bias			
Bromomethane	2.14		"	10.0		21.4	43-168	Low Bias			
Carbon disulfide	9.87		"	10.0		98.7	68-146				
Carbon tetrachloride	9.21		"	10.0		92.1	77-141				
Chlorobenzene	9.90		"	10.0		99.0	88-120				
Chloroethane	10.1		"	10.0		101	65-136				
Chloroform	9.54		"	10.0		95.4	82-128				
Chloromethane	9.24		"	10.0		92.4	43-155				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	9.61		"	10.0		96.1	80-131				
Cyclohexane	8.22		"	10.0		82.2	63-149				
Dibromochloromethane	8.20		"	10.0		82.0	80-130				
Dibromomethane	9.33		"	10.0		93.3	72-134				
Dichlorodifluoromethane	9.88		"	10.0		98.8	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	9.77		"	10.0		97.7	67-146				

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 BB21726 - EPA 5030B											
LCS (BB21726-BS1) LCS								Prepared & Analyzed: 02/10/2022			
Isopropylbenzene	10.6		ug/L	10.0		106	76-140				
Methyl acetate	9.84		"	10.0		98.4	51-139				
Methyl tert-butyl ether (MTBE)	9.11		"	10.0		91.1	76-135				
Methylcyclohexane	11.0		"	10.0		110	72-143				
Methylene chloride	9.92		"	10.0		99.2	55-137				
n-Butylbenzene	11.5		"	10.0		115	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	18.3		"	20.0		91.6	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	9.84		"	10.0		98.4	67-132				
tert-Butyl alcohol (TBA)	38.5		"	50.0		76.9	25-162				
tert-Butylbenzene	8.02		"	10.0		80.2	77-138				
Tetrachloroethylene	8.53		"	10.0		85.3	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.35		"	10.0		93.5	78-131				
Trichloroethylene	9.57		"	10.0		95.7	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl acetate	11.9		"	10.0		119	21-90	High Bias			
Vinyl Chloride	12.1		"	10.0		121	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
LCS Dup (BB21726-BSD1) LCS Dup								Prepared & Analyzed: 02/10/2022			
1,1,1,2-Tetrachloroethane	8.66		ug/L	10.0		86.6	82-126		2.28	30	
1,1,1-Trichloroethane	8.70		"	10.0		87.0	78-136		5.15	30	
1,1,2,2-Tetrachloroethane	9.94		"	10.0		99.4	76-129		0.808	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.50		"	10.0		95.0	54-165		7.11	30	
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123		0.663	30	
1,1-Dichloroethane	9.45		"	10.0		94.5	82-129		5.15	30	
1,1-Dichloroethylene	10.2		"	10.0		102	68-138		6.65	30	
1,1-Dichloropropylene	8.90		"	10.0		89.0	83-133		5.04	30	
1,2,3-Trichlorobenzene	7.44		"	10.0		74.4	76-136	Low Bias	0.134	30	
1,2,3-Trichloropropane	9.32		"	10.0		93.2	77-128		1.62	30	
1,2,4-Trichlorobenzene	7.62		"	10.0		76.2	76-137		1.17	30	
1,2,4-Trimethylbenzene	9.35		"	10.0		93.5	82-132		6.12	30	
1,2-Dibromo-3-chloropropane	9.47		"	10.0		94.7	45-147		22.3	30	
1,2-Dibromoethane	9.20		"	10.0		92.0	83-124		3.43	30	
1,2-Dichlorobenzene	9.14		"	10.0		91.4	79-123		2.80	30	
1,2-Dichloroethane	9.77		"	10.0		97.7	73-132		0.00	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		2.74	30	
1,3,5-Trimethylbenzene	9.44		"	10.0		94.4	80-131		6.85	30	
1,3-Dichlorobenzene	8.36		"	10.0		83.6	86-122	Low Bias	5.13	30	
1,3-Dichloropropane	9.60		"	10.0		96.0	81-125		0.627	30	
1,4-Dichlorobenzene	8.62		"	10.0		86.2	85-124		5.31	30	
1,4-Dioxane	241		"	210		115	10-349		3.06	30	
2,2-Dichloropropane	9.08		"	10.0		90.8	56-150		6.60	30	
2-Butanone	10.0		"	10.0		100	49-152		3.46	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 BB21726 - EPA 5030B											
LCS Dup (BB21726-BSD1) LCS Dup								Prepared & Analyzed: 02/10/2022			
2-Chlorotoluene	9.68		ug/L	10.0		96.8	79-130		6.50	30	
2-Hexanone	11.5		"	10.0		115	51-146		7.58	30	
4-Chlorotoluene	9.67		"	10.0		96.7	79-128		6.70	30	
4-Methyl-2-pentanone	11.4		"	10.0		114	57-145		6.25	30	
Acetone	10.2		"	10.0		102	14-150		6.79	30	
Acrolein	5.35		"	10.0		53.5	10-153		6.17	30	
Acrylonitrile	10.1		"	10.0		101	51-150		1.20	30	
Benzene	9.31		"	10.0		93.1	85-126		4.82	30	
Bromobenzene	9.69		"	10.0		96.9	78-129		4.24	30	
Bromochloromethane	10.0		"	10.0		100	77-128		3.44	30	
Bromodichloromethane	9.21		"	10.0		92.1	79-128		2.78	30	
Bromoform	7.74		"	10.0		77.4	78-133	Low Bias	2.09	30	
Bromomethane	2.55		"	10.0		25.5	43-168	Low Bias	17.5	30	
Carbon disulfide	9.23		"	10.0		92.3	68-146		6.70	30	
Carbon tetrachloride	8.74		"	10.0		87.4	77-141		5.24	30	
Chlorobenzene	9.58		"	10.0		95.8	88-120		3.29	30	
Chloroethane	9.36		"	10.0		93.6	65-136		7.31	30	
Chloroform	9.16		"	10.0		91.6	82-128		4.06	30	
Chloromethane	8.12		"	10.0		81.2	43-155		12.9	30	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	83-129		4.89	30	
cis-1,3-Dichloropropylene	9.45		"	10.0		94.5	80-131		1.68	30	
Cyclohexane	7.88		"	10.0		78.8	63-149		4.22	30	
Dibromochloromethane	8.29		"	10.0		82.9	80-130		1.09	30	
Dibromomethane	9.38		"	10.0		93.8	72-134		0.534	30	
Dichlorodifluoromethane	8.85		"	10.0		88.5	44-144		11.0	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		3.70	30	
Hexachlorobutadiene	9.79		"	10.0		97.9	67-146		0.204	30	
Isopropylbenzene	9.95		"	10.0		99.5	76-140		6.80	30	
Methyl acetate	10.0		"	10.0		100	51-139		1.71	30	
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135		1.20	30	
Methylcyclohexane	10.6		"	10.0		106	72-143		3.42	30	
Methylene chloride	9.44		"	10.0		94.4	55-137		4.96	30	
n-Butylbenzene	10.9		"	10.0		109	79-132		5.54	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		6.76	30	
o-Xylene	10.1		"	10.0		101	78-130		3.31	30	
p- & m- Xylenes	17.6		"	20.0		88.2	77-133		3.78	30	
p-Isopropyltoluene	9.41		"	10.0		94.1	81-136		6.28	30	
sec-Butylbenzene	9.79		"	10.0		97.9	79-137		6.23	30	
Styrene	9.56		"	10.0		95.6	67-132		2.89	30	
tert-Butyl alcohol (TBA)	42.6		"	50.0		85.1	25-162		10.1	30	
tert-Butylbenzene	7.51		"	10.0		75.1	77-138	Low Bias	6.57	30	
Tetrachloroethylene	8.15		"	10.0		81.5	82-131	Low Bias	4.56	30	
Toluene	9.79		"	10.0		97.9	80-127		3.71	30	
trans-1,2-Dichloroethylene	9.67		"	10.0		96.7	80-132		5.43	30	
trans-1,3-Dichloropropylene	9.31		"	10.0		93.1	78-131		0.429	30	
Trichloroethylene	9.18		"	10.0		91.8	82-128		4.16	30	
Trichlorofluoromethane	9.98		"	10.0		99.8	67-139		8.45	30	
Vinyl acetate	11.3		"	10.0		113	21-90	High Bias	5.61	30	
Vinyl Chloride	11.0		"	10.0		110	58-145		10.1	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				

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 BB21726 - EPA 5030B											
LCS Dup (BB21726-BSD1) LCS Dup									Prepared & Analyzed: 02/10/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*ug/L*	*10.0*		*105*	*79-122*				
Batch BB21874 - EPA 5030B											
Blank (BB21874-BLK1) Blank									Prepared & Analyzed: 02/15/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								

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 BB21874 - EPA 5030B											
Blank (BB21874-BLK1) Blank									Prepared & Analyzed: 02/15/2022		
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		"	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.88*		"	*10.0*		*98.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		"	*10.0*		*108*	*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 BB21874 - EPA 5030B											
LCS (BB21874-BS1) LCS							Prepared & Analyzed: 02/15/2022				
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165				
1,1,2-Trichloroethane	9.09		"	10.0		90.9	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	12.3		"	10.0		123	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	8.73		"	10.0		87.3	76-136				
1,2,3-Trichloropropane	9.97		"	10.0		99.7	77-128				
1,2,4-Trichlorobenzene	9.12		"	10.0		91.2	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	9.73		"	10.0		97.3	45-147				
1,2-Dibromoethane	9.21		"	10.0		92.1	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	11.3		"	10.0		113	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122				
1,3-Dichloropropane	9.66		"	10.0		96.6	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
1,4-Dioxane	217		"	210		103	10-349				
2,2-Dichloropropane	11.0		"	10.0		110	56-150				
2-Butanone	9.68		"	10.0		96.8	49-152				
2-Chlorotoluene	10.8		"	10.0		108	79-130				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
4-Methyl-2-pentanone	10.3		"	10.0		103	57-145				
Acetone	9.90		"	10.0		99.0	14-150				
Acrolein	5.06		"	10.0		50.6	10-153				
Acrylonitrile	10.3		"	10.0		103	51-150				
Benzene	10.4		"	10.0		104	85-126				
Bromobenzene	10.5		"	10.0		105	78-129				
Bromochloromethane	11.4		"	10.0		114	77-128				
Bromodichloromethane	9.91		"	10.0		99.1	79-128				
Bromoform	9.53		"	10.0		95.3	78-133				
Bromomethane	4.42		"	10.0		44.2	43-168				
Carbon disulfide	10.8		"	10.0		108	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	10.5		"	10.0		105	88-120				
Chloroethane	11.3		"	10.0		113	65-136				
Chloroform	10.4		"	10.0		104	82-128				
Chloromethane	12.4		"	10.0		124	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131				
Cyclohexane	8.72		"	10.0		87.2	63-149				
Dibromochloromethane	9.08		"	10.0		90.8	80-130				
Dibromomethane	9.55		"	10.0		95.5	72-134				
Dichlorodifluoromethane	17.0		"	10.0		170	44-144	High Bias			
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				

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 BB21874 - EPA 5030B											
LCS (BB21874-BS1) LCS								Prepared & Analyzed: 02/15/2022			
Isopropylbenzene	11.5		ug/L	10.0		115	76-140				
Methyl acetate	9.88		"	10.0		98.8	51-139				
Methyl tert-butyl ether (MTBE)	9.72		"	10.0		97.2	76-135				
Methylcyclohexane	10.7		"	10.0		107	72-143				
Methylene chloride	11.0		"	10.0		110	55-137				
n-Butylbenzene	11.0		"	10.0		110	79-132				
n-Propylbenzene	11.7		"	10.0		117	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	19.0		"	20.0		94.8	77-133				
p-Isopropyltoluene	10.9		"	10.0		109	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	43.6		"	50.0		87.2	25-162				
tert-Butylbenzene	8.89		"	10.0		88.9	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	13.3		"	10.0		133	67-139				
Vinyl acetate	13.2		"	10.0		132	21-90	High Bias			
Vinyl Chloride	14.8		"	10.0		148	58-145	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				
LCS Dup (BB21874-BSD1) LCS Dup								Prepared & Analyzed: 02/15/2022			
1,1,1,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	82-126		3.25	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		3.52	30	
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129		4.51	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165		6.30	30	
1,1,2-Trichloroethane	9.11		"	10.0		91.1	82-123		0.220	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		3.94	30	
1,1-Dichloroethylene	11.5		"	10.0		115	68-138		6.40	30	
1,1-Dichloropropylene	9.90		"	10.0		99.0	83-133		4.93	30	
1,2,3-Trichlorobenzene	8.95		"	10.0		89.5	76-136		2.49	30	
1,2,3-Trichloropropane	9.56		"	10.0		95.6	77-128		4.20	30	
1,2,4-Trichlorobenzene	9.21		"	10.0		92.1	76-137		0.982	30	
1,2,4-Trimethylbenzene	9.78		"	10.0		97.8	82-132		8.05	30	
1,2-Dibromo-3-chloropropane	8.13		"	10.0		81.3	45-147		17.9	30	
1,2-Dibromoethane	9.35		"	10.0		93.5	83-124		1.51	30	
1,2-Dichlorobenzene	9.80		"	10.0		98.0	79-123		5.17	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		0.0934	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		4.06	30	
1,3,5-Trimethylbenzene	9.79		"	10.0		97.9	80-131		9.63	30	
1,3-Dichlorobenzene	9.31		"	10.0		93.1	86-122		6.44	30	
1,3-Dichloropropane	9.63		"	10.0		96.3	81-125		0.311	30	
1,4-Dichlorobenzene	9.51		"	10.0		95.1	85-124		6.41	30	
1,4-Dioxane	227		"	210		108	10-349		4.47	30	
2,2-Dichloropropane	10.4		"	10.0		104	56-150		6.18	30	
2-Butanone	10.1		"	10.0		101	49-152		4.64	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 BB21874 - EPA 5030B											
LCS Dup (BB21874-BSD1) LCS Dup								Prepared & Analyzed: 02/15/2022			
2-Chlorotoluene	9.86		ug/L	10.0		98.6	79-130		9.38	30	
2-Hexanone	10.7		"	10.0		107	51-146		4.01	30	
4-Chlorotoluene	9.94		"	10.0		99.4	79-128		9.40	30	
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145		4.19	30	
Acetone	10.3		"	10.0		103	14-150		3.77	30	
Acrolein	5.43		"	10.0		54.3	10-153		7.05	30	
Acrylonitrile	10.8		"	10.0		108	51-150		4.76	30	
Benzene	10.1		"	10.0		101	85-126		3.02	30	
Bromobenzene	9.79		"	10.0		97.9	78-129		7.09	30	
Bromochloromethane	11.2		"	10.0		112	77-128		2.04	30	
Bromodichloromethane	9.62		"	10.0		96.2	79-128		2.97	30	
Bromoform	9.64		"	10.0		96.4	78-133		1.15	30	
Bromomethane	4.62		"	10.0		46.2	43-168		4.42	30	
Carbon disulfide	10.1		"	10.0		101	68-146		6.32	30	
Carbon tetrachloride	10.5		"	10.0		105	77-141		5.55	30	
Chlorobenzene	10.1		"	10.0		101	88-120		3.90	30	
Chloroethane	10.4		"	10.0		104	65-136		8.78	30	
Chloroform	10.1		"	10.0		101	82-128		2.92	30	
Chloromethane	10.9		"	10.0		109	43-155		12.5	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		3.87	30	
cis-1,3-Dichloropropylene	9.76		"	10.0		97.6	80-131		2.63	30	
Cyclohexane	8.40		"	10.0		84.0	63-149		3.74	30	
Dibromochloromethane	9.05		"	10.0		90.5	80-130		0.331	30	
Dibromomethane	9.44		"	10.0		94.4	72-134		1.16	30	
Dichlorodifluoromethane	14.8		"	10.0		148	44-144	High Bias	13.3	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		4.51	30	
Hexachlorobutadiene	11.4		"	10.0		114	67-146		6.17	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		10.1	30	
Methyl acetate	10.2		"	10.0		102	51-139		3.38	30	
Methyl tert-butyl ether (MTBE)	9.97		"	10.0		99.7	76-135		2.54	30	
Methylcyclohexane	10.3		"	10.0		103	72-143		3.89	30	
Methylene chloride	10.6		"	10.0		106	55-137		3.89	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		4.66	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		10.1	30	
o-Xylene	10.4		"	10.0		104	78-130		3.77	30	
p- & m- Xylenes	18.2		"	20.0		90.8	77-133		4.31	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		6.93	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		7.90	30	
Styrene	9.89		"	10.0		98.9	67-132		2.69	30	
tert-Butyl alcohol (TBA)	46.6		"	50.0		93.1	25-162		6.59	30	
tert-Butylbenzene	8.19		"	10.0		81.9	77-138		8.20	30	
Tetrachloroethylene	9.78		"	10.0		97.8	82-131		4.11	30	
Toluene	10.0		"	10.0		100	80-127		4.87	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		4.99	30	
trans-1,3-Dichloropropylene	9.64		"	10.0		96.4	78-131		0.826	30	
Trichloroethylene	9.50		"	10.0		95.0	82-128		5.73	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		9.05	30	
Vinyl acetate	13.1		"	10.0		131	21-90	High Bias	0.834	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		13.8	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.82*		*"*	*10.0*		*98.2*	*81-117*				

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 BB21874 - EPA 5030B											
LCS Dup (BB21874-BSD1) LCS Dup									Prepared & Analyzed: 02/15/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*ug/L*	*10.0*		*102*	*79-122*				
Matrix Spike (BB21874-MS1) Matrix Spike	*Source sample: 22B0514-01 (Matrix Spike)								Prepared & Analyzed: 02/15/2022		
1,1,1,2-Tetrachloroethane	9.12		ug/L	10.0	0.00	91.2	45-161				
1,1,1-Trichloroethane	10.0		"	10.0	0.00	100	70-146				
1,1,2,2-Tetrachloroethane	9.43		"	10.0	0.00	94.3	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0	0.00	111	21-217				
1,1,2-Trichloroethane	8.85		"	10.0	0.00	88.5	59-146				
1,1-Dichloroethane	10.4		"	10.0	0.00	104	54-146				
1,1-Dichloroethylene	11.7		"	10.0	0.00	117	44-165				
1,1-Dichloropropylene	9.99		"	10.0	0.00	99.9	82-134				
1,2,3-Trichlorobenzene	8.03		"	10.0	0.00	80.3	40-161				
1,2,3-Trichloropropane	8.67		"	10.0	0.00	86.7	74-127				
1,2,4-Trichlorobenzene	8.42		"	10.0	0.00	84.2	41-161				
1,2,4-Trimethylbenzene	8.86		"	10.0	0.00	88.6	72-129				
1,2-Dibromo-3-chloropropane	6.82		"	10.0	0.00	68.2	31-151				
1,2-Dibromoethane	8.95		"	10.0	0.00	89.5	75-125				
1,2-Dichlorobenzene	8.83		"	10.0	0.00	88.3	63-122				
1,2-Dichloroethane	10.4		"	10.0	0.00	104	68-131				
1,2-Dichloropropane	10.7		"	10.0	0.00	107	77-121				
1,3,5-Trimethylbenzene	9.03		"	10.0	0.00	90.3	69-126				
1,3-Dichlorobenzene	8.40		"	10.0	0.00	84.0	74-119				
1,3-Dichloropropane	9.38		"	10.0	0.00	93.8	77-119				
1,4-Dichlorobenzene	8.50		"	10.0	0.00	85.0	70-124				
1,4-Dioxane	212		"	210	0.00	101	10-310				
2,2-Dichloropropane	10.3		"	10.0	0.00	103	10-160				
2-Butanone	9.57		"	10.0	0.00	95.7	10-193				
2-Chlorotoluene	9.11		"	10.0	0.00	91.1	70-126				
2-Hexanone	10.3		"	10.0	0.00	103	53-133				
4-Chlorotoluene	9.12		"	10.0	0.00	91.2	69-124				
4-Methyl-2-pentanone	10.2		"	10.0	0.00	102	38-150				
Acetone	12.4		"	10.0	2.39	99.6	13-149				
Acrolein	5.24		"	10.0	0.00	52.4	10-195				
Acrylonitrile	10.6		"	10.0	0.00	106	37-165				
Benzene	10.0		"	10.0	0.00	100	38-155				
Bromobenzene	9.17		"	10.0	0.00	91.7	72-122				
Bromochloromethane	11.0		"	10.0	0.00	110	75-121				
Bromodichloromethane	9.12		"	10.0	0.00	91.2	70-129				
Bromoform	8.71		"	10.0	0.00	87.1	66-136				
Bromomethane	3.98		"	10.0	0.00	39.8	30-158				
Carbon disulfide	10.5		"	10.0	0.00	105	10-138				
Carbon tetrachloride	10.5		"	10.0	0.00	105	71-146				
Chlorobenzene	9.77		"	10.0	0.00	97.7	81-117				
Chloroethane	10.7		"	10.0	0.00	107	51-145				
Chloroform	9.87		"	10.0	0.00	98.7	80-124				
Chloromethane	11.0		"	10.0	0.00	110	16-163				
cis-1,2-Dichloroethylene	10.5		"	10.0	0.00	105	76-125				
cis-1,3-Dichloropropylene	9.27		"	10.0	0.00	92.7	58-131				
Cyclohexane	8.60		"	10.0	0.00	86.0	70-130				
Dibromochloromethane	8.49		"	10.0	0.00	84.9	71-129				
Dibromomethane	9.20		"	10.0	0.00	92.0	76-120				

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 BB21874 - EPA 5030B											
Matrix Spike (BB21874-MS1) Matrix Spike	*Source sample: 22B0514-01 (Matrix Spike)							Prepared & Analyzed: 02/15/2022			
Dichlorodifluoromethane	14.3		ug/L	10.0	0.00	143	30-147				
Ethyl Benzene	10.5		"	10.0	0.00	105	72-128				
Hexachlorobutadiene	12.3		"	10.0	0.00	123	34-166				
Isopropylbenzene	9.03		"	10.0	0.00	90.3	66-139				
Methyl acetate	9.75		"	10.0	0.00	97.5	10-200				
Methyl tert-butyl ether (MTBE)	9.44		"	10.0	0.00	94.4	75-128				
Methylcyclohexane	10.5		"	10.0	0.00	105	70-130				
Methylene chloride	10.9		"	10.0	0.250	107	57-128				
n-Butylbenzene	10.1		"	10.0	0.00	101	61-138				
n-Propylbenzene	9.98		"	10.0	0.00	99.8	66-134				
o-Xylene	10.1		"	10.0	0.00	101	69-126				
p- & m- Xylenes	17.9		"	20.0	0.00	89.4	67-130				
p-Isopropyltoluene	9.72		"	10.0	0.430	92.9	64-137				
sec-Butylbenzene	9.44		"	10.0	0.00	94.4	53-155				
Styrene	9.40		"	10.0	0.00	94.0	69-125				
tert-Butyl alcohol (TBA)	46.7		"	50.0	0.00	93.4	10-130				
tert-Butylbenzene	7.46		"	10.0	0.00	74.6	65-139				
Tetrachloroethylene	9.69		"	10.0	0.00	96.9	64-139				
Toluene	9.86		"	10.0	0.00	98.6	76-123				
trans-1,2-Dichloroethylene	11.0		"	10.0	0.00	110	79-131				
trans-1,3-Dichloropropylene	9.15		"	10.0	0.00	91.5	55-130				
Trichloroethylene	9.48		"	10.0	0.00	94.8	53-145				
Trichlorofluoromethane	12.5		"	10.0	0.00	125	61-142				
Vinyl acetate	12.3		"	10.0	0.00	123	10-87	High Bias			
Vinyl Chloride	13.4		"	10.0	0.00	134	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.84*		*"*	*10.0*		*98.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.13*		*"*	*10.0*		*91.3*	*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 BB21874 - EPA 5030B											
Matrix Spike Dup (BB21874-M Matrix Spike Dup	*Source sample: 22B0514-01 (Matrix Spike Dup)								Prepared & Analyzed: 02/15/2022		
1,1,1,2-Tetrachloroethane	8.98		ug/L	10.0	0.00	89.8	45-161		1.55	30	
1,1,1-Trichloroethane	9.88		"	10.0	0.00	98.8	70-146		1.61	30	
1,1,2,2-Tetrachloroethane	9.35		"	10.0	0.00	93.5	74-121		0.852	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0	0.00	108	21-217		3.02	30	
1,1,2-Trichloroethane	8.79		"	10.0	0.00	87.9	59-146		0.680	30	
1,1-Dichloroethane	10.2		"	10.0	0.00	102	54-146		1.55	30	
1,1-Dichloroethylene	11.6		"	10.0	0.00	116	44-165		1.20	30	
1,1-Dichloropropylene	9.81		"	10.0	0.00	98.1	82-134		1.82	30	
1,2,3-Trichlorobenzene	8.16		"	10.0	0.00	81.6	40-161		1.61	30	
1,2,3-Trichloropropane	8.67		"	10.0	0.00	86.7	74-127		0.00	30	
1,2,4-Trichlorobenzene	8.58		"	10.0	0.00	85.8	41-161		1.88	30	
1,2,4-Trimethylbenzene	8.76		"	10.0	0.00	87.6	72-129		1.14	30	
1,2-Dibromo-3-chloropropane	8.17		"	10.0	0.00	81.7	31-151		18.0	30	
1,2-Dibromoethane	8.91		"	10.0	0.00	89.1	75-125		0.448	30	
1,2-Dichlorobenzene	8.74		"	10.0	0.00	87.4	63-122		1.02	30	
1,2-Dichloroethane	10.3		"	10.0	0.00	103	68-131		1.26	30	
1,2-Dichloropropane	10.6		"	10.0	0.00	106	77-121		1.13	30	
1,3,5-Trimethylbenzene	8.93		"	10.0	0.00	89.3	69-126		1.11	30	
1,3-Dichlorobenzene	8.30		"	10.0	0.00	83.0	74-119		1.20	30	
1,3-Dichloropropane	9.30		"	10.0	0.00	93.0	77-119		0.857	30	
1,4-Dichlorobenzene	8.44		"	10.0	0.00	84.4	70-124		0.708	30	
1,4-Dioxane	214		"	210	0.00	102	10-310		0.900	30	
2,2-Dichloropropane	10.1		"	10.0	0.00	101	10-160		2.35	30	
2-Butanone	9.24		"	10.0	0.00	92.4	10-193		3.51	30	
2-Chlorotoluene	8.96		"	10.0	0.00	89.6	70-126		1.66	30	
2-Hexanone	10.3		"	10.0	0.00	103	53-133		0.0974	30	
4-Chlorotoluene	8.99		"	10.0	0.00	89.9	69-124		1.44	30	
4-Methyl-2-pentanone	10.2		"	10.0	0.00	102	38-150		0.490	30	
Acetone	11.7		"	10.0	2.39	93.3	13-149		5.23	30	
Acrolein	5.15		"	10.0	0.00	51.5	10-195		1.73	30	
Acrylonitrile	10.4		"	10.0	0.00	104	37-165		1.62	30	
Benzene	9.86		"	10.0	0.00	98.6	38-155		1.61	30	
Bromobenzene	8.87		"	10.0	0.00	88.7	72-122		3.33	30	
Bromochloromethane	10.8		"	10.0	0.00	108	75-121		1.84	30	
Bromodichloromethane	9.09		"	10.0	0.00	90.9	70-129		0.329	30	
Bromoform	8.76		"	10.0	0.00	87.6	66-136		0.572	30	
Bromomethane	5.05		"	10.0	0.00	50.5	30-158		23.7	30	
Carbon disulfide	10.4		"	10.0	0.00	104	10-138		1.15	30	
Carbon tetrachloride	10.5		"	10.0	0.00	105	71-146		0.666	30	
Chlorobenzene	9.64		"	10.0	0.00	96.4	81-117		1.34	30	
Chloroethane	10.4		"	10.0	0.00	104	51-145		2.75	30	
Chloroform	9.73		"	10.0	0.00	97.3	80-124		1.43	30	
Chloromethane	11.0		"	10.0	0.00	110	16-163		0.454	30	
cis-1,2-Dichloroethylene	10.3		"	10.0	0.00	103	76-125		2.02	30	
cis-1,3-Dichloropropylene	9.22		"	10.0	0.00	92.2	58-131		0.541	30	
Cyclohexane	8.45		"	10.0	0.00	84.5	70-130		1.76	30	
Dibromochloromethane	8.38		"	10.0	0.00	83.8	71-129		1.30	30	
Dibromomethane	9.10		"	10.0	0.00	91.0	76-120		1.09	30	
Dichlorodifluoromethane	14.3		"	10.0	0.00	143	30-147		0.280	30	
Ethyl Benzene	10.3		"	10.0	0.00	103	72-128		1.15	30	
Hexachlorobutadiene	12.7		"	10.0	0.00	127	34-166		2.96	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 BB21874 - EPA 5030B											
Matrix Spike Dup (BB21874-M Matrix Spike Dup	*Source sample: 22B0514-01 (Matrix Spike Dup)								Prepared & Analyzed: 02/15/2022		
Isopropylbenzene	8.99		ug/L	10.0	0.00	89.9	66-139		0.444	30	
Methyl acetate	9.62		"	10.0	0.00	96.2	10-200		1.34	30	
Methyl tert-butyl ether (MTBE)	9.39		"	10.0	0.00	93.9	75-128		0.531	30	
Methylcyclohexane	10.2		"	10.0	0.00	102	70-130		2.03	30	
Methylene chloride	10.4		"	10.0	0.250	101	57-128		5.16	30	
n-Butylbenzene	10.2		"	10.0	0.00	102	61-138		1.38	30	
n-Propylbenzene	9.85		"	10.0	0.00	98.5	66-134		1.31	30	
o-Xylene	9.99		"	10.0	0.00	99.9	69-126		1.19	30	
p- & m- Xylenes	17.6		"	20.0	0.00	88.0	67-130		1.47	30	
p-Isopropyltoluene	9.60		"	10.0	0.430	91.7	64-137		1.24	30	
sec-Butylbenzene	9.29		"	10.0	0.00	92.9	53-155		1.60	30	
Styrene	9.28		"	10.0	0.00	92.8	69-125		1.28	30	
tert-Butyl alcohol (TBA)	46.4		"	50.0	0.00	92.9	10-130		0.537	30	
tert-Butylbenzene	7.33		"	10.0	0.00	73.3	65-139		1.76	30	
Tetrachloroethylene	9.50		"	10.0	0.00	95.0	64-139		1.98	30	
Toluene	9.77		"	10.0	0.00	97.7	76-123		0.917	30	
trans-1,2-Dichloroethylene	10.8		"	10.0	0.00	108	79-131		1.75	30	
trans-1,3-Dichloropropylene	9.09		"	10.0	0.00	90.9	55-130		0.658	30	
Trichloroethylene	9.40		"	10.0	0.00	94.0	53-145		0.847	30	
Trichlorofluoromethane	12.2		"	10.0	0.00	122	61-142		1.86	30	
Vinyl acetate	12.7		"	10.0	0.00	127	10-87	High Bias	3.52	30	
Vinyl Chloride	13.6		"	10.0	0.00	136	31-165		1.55	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.23*		*"*	*10.0*		*92.3*	*79-122*				

Semivolatile 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 BB21821 - EPA 3510C

Blank (BB21821-BLK1) Blank — Prepared: 02/11/2022 Analyzed: 02/14/2022

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								

Semivolatile 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 BB21821 - EPA 3510C											
Blank (BB21821-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/14/2022		
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*18.6*		*"*	*50.0*		*37.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*11.5*		*"*	*50.0*		*23.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*21.6*		*"*	*25.0*		*86.5*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.8*		*"*	*25.0*		*75.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*45.3*		*"*	*50.0*		*90.6*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*22.6*		*"*	*25.0*		*90.3*	*30.7-106*				
Blank (BB21821-BLK2) Blank									Prepared: 02/11/2022 Analyzed: 02/15/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								

Semivolatile 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 BB21821 - EPA 3510C											
Blank (BB21821-BLK2) Blank									Prepared: 02/11/2022 Analyzed: 02/15/2022		
Benzo(a)pyrene	ND	0.0500	ug/L								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile 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 BB21821 - EPA 3510C											
LCS (BB21821-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,1-Biphenyl	19.6	5.00	ug/L	25.0		78.6	33-95				
1,2,4,5-Tetrachlorobenzene	21.0	5.00	"	25.0		83.9	26-120				
1,2,4-Trichlorobenzene	18.4	5.00	"	25.0		73.6	20-118				
1,2-Dichlorobenzene	16.9	5.00	"	25.0		67.7	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	15.4	5.00	"	25.0		61.8	16-141				
1,3-Dichlorobenzene	16.1	5.00	"	25.0		64.5	23-117				
1,4-Dichlorobenzene	15.1	5.00	"	25.0		60.4	30-105				
2,3,4,6-Tetrachlorophenol	18.0	5.00	"	25.0		72.1	30-130				
2,4,5-Trichlorophenol	18.4	5.00	"	25.0		73.7	32-114				
2,4,6-Trichlorophenol	20.4	5.00	"	25.0		81.7	35-118				
2,4-Dichlorophenol	19.9	5.00	"	25.0		79.7	25-116				
2,4-Dimethylphenol	13.7	5.00	"	25.0		54.8	15-116				
2,4-Dinitrophenol	14.7	5.00	"	25.0		59.0	10-170				
2,4-Dinitrotoluene	20.3	5.00	"	25.0		81.1	41-128				
2,6-Dinitrotoluene	20.2	5.00	"	25.0		80.8	45-116				
2-Chloronaphthalene	17.2	5.00	"	25.0		68.8	33-112				
2-Chlorophenol	16.7	5.00	"	25.0		66.7	15-120				
2-Methylnaphthalene	18.5	5.00	"	25.0		73.8	24-118				
2-Methylphenol	14.5	5.00	"	25.0		58.1	10-110				
2-Nitroaniline	21.4	5.00	"	25.0		85.5	34-129				
2-Nitrophenol	18.3	5.00	"	25.0		73.1	28-118				
3- & 4-Methylphenols	10.8	5.00	"	25.0		43.1	10-107				
3,3-Dichlorobenzidine	13.1	5.00	"	25.0		52.5	15-187				
3-Nitroaniline	19.8	5.00	"	25.0		79.4	24-134				
4,6-Dinitro-2-methylphenol	16.2	5.00	"	25.0		64.8	10-153				
4-Bromophenyl phenyl ether	18.9	5.00	"	25.0		75.6	34-120				
4-Chloro-3-methylphenol	20.2	5.00	"	25.0		80.8	20-120				
4-Chloroaniline	13.7	5.00	"	25.0		54.9	10-147				
4-Chlorophenyl phenyl ether	20.5	5.00	"	25.0		82.0	27-121				
4-Nitroaniline	17.2	5.00	"	25.0		68.9	13-134				
4-Nitrophenol	7.63	5.00	"	25.0		30.5	10-131				
Acetophenone	18.7	5.00	"	25.0		74.8	25-110				
Aniline	8.75	5.00	"	25.0		35.0	10-117				
Benzaldehyde	15.7	5.00	"	25.0		62.9	29-117				
Benzoic acid	5.84	5.00	"	25.0		23.4	30-130	Low Bias			
Benzyl alcohol	12.0	5.00	"	25.0		47.8	10-117				
Benzyl butyl phthalate	20.0	5.00	"	25.0		79.9	29-133				
Bis(2-chloroethoxy)methane	15.8	5.00	"	25.0		63.2	10-154				
Bis(2-chloroethyl)ether	13.3	5.00	"	25.0		53.0	17-125				
Bis(2-chloroisopropyl)ether	13.3	5.00	"	25.0		53.2	10-139				
Caprolactam	4.27	5.00	"	25.0		17.1	10-137				
Carbazole	18.5	5.00	"	25.0		73.9	42-126				
Dibenzofuran	20.1	5.00	"	25.0		80.3	36-113				
Diethyl phthalate	18.3	5.00	"	25.0		73.1	38-115				
Dimethyl phthalate	18.6	5.00	"	25.0		74.4	38-129				
Di-n-butyl phthalate	18.6	5.00	"	25.0		74.3	31-120				
Di-n-octyl phthalate	18.1	5.00	"	25.0		72.4	21-149				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	16.8	5.00	"	25.0		67.2	25-127				
N-nitroso-di-n-propylamine	15.5	5.00	"	25.0		61.9	26-122				
N-Nitrosodiphenylamine	21.6	5.00	"	25.0		86.5	23-149				

Semivolatile 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 BB21821 - EPA 3510C											
LCS (BB21821-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/14/2022			
Phenol	6.60	5.00	ug/L	25.0		26.4	10-110				
Pyridine	11.1	5.00	"	25.5		43.6	10-90				
Surrogate: SURR: 2-Fluorophenol	*16.8*		*"*	*50.0*		*33.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*11.1*		*"*	*50.0*		*22.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*17.3*		*"*	*25.0*		*69.0*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*17.2*		*"*	*25.0*		*68.9*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*43.0*		*"*	*50.0*		*86.1*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*20.3*		*"*	*25.0*		*81.0*	*30.7-106*				
LCS (BB21821-BS2) LCS								Prepared: 02/11/2022 Analyzed: 02/15/2022			
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.890	0.0500	"	1.00		89.0	25-116				
Acenaphthylene	0.890	0.0500	"	1.00		89.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.900	0.0500	"	1.00		90.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.980	0.0500	"	1.00		98.0	33-125				
Benzo(a)pyrene	1.15	0.0500	"	1.00		115	32-132				
Benzo(b)fluoranthene	1.24	0.0500	"	1.00		124	22-137				
Benzo(g,h,i)perylene	1.44	0.0500	"	1.00		144	10-138	High Bias			

Semivolatile 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 BB21821 - EPA 3510C											
LCS (BB21821-BS2) LCS								Prepared: 02/11/2022 Analyzed: 02/15/2022			
Benzo(k)fluoranthene	1.22	0.0500	ug/L	1.00		122	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	1.10	0.500	"	1.00		110	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	1.04	0.0500	"	1.00		104	32-124				
Dibenzo(a,h)anthracene	1.43	0.0500	"	1.00		143	16-133	High Bias			
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Fluoranthene	1.00	0.0500	"	1.00		100	32-121				
Fluorene	0.980	0.0500	"	1.00		98.0	28-118				
Hexachlorobenzene	0.990	0.0200	"	1.00		99.0	23-124				
Hexachlorobutadiene	1.26	0.500	"	1.00		126	15-123	High Bias			
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.900	0.500	"	1.00		90.0	18-115				
Indeno(1,2,3-cd)pyrene	1.31	0.0500	"	1.00		131	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.880	0.0500	"	1.00		88.0	18-120				
Nitrobenzene	0.760	0.250	"	1.00		76.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.44	0.250	"	1.00		144	10-156				
Phenanthrene	0.980	0.0500	"	1.00		98.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.940	0.0500	"	1.00		94.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.00*		"	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		"	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		"	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		"	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		"	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		"	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BB21707 - EPA 3535A											
Blank (BB21707-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
LCS (BB21707-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
1,4-Dioxane	4.19	0.300	ug/L	4.00		105	50-130				
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
Matrix Spike (BB21707-MS1) Matrix Spike *Source sample: 22B0396-01 (Matrix Spike)									Prepared: 02/10/2022 Analyzed: 02/14/2022		
1,4-Dioxane	4.16	0.300	ug/L	4.00	ND	104	50-130				
Surrogate: 1,4-Dioxane-d8	*3.84*		*"*	*4.00*		*96.0*	*50-130*				
Matrix Spike Dup (BB21707-M Matrix Spike Dup *Source sample: 22B0396-01 (Matrix Spike Dup)									Prepared: 02/10/2022 Analyzed: 02/14/2022		
1,4-Dioxane	4.19	0.300	ug/L	4.00	ND	105	50-130		0.766	30	
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*50-130*				

PFAS Target compounds by LC/MS-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 BB21642 - SPE Ext-PFAS-EPA 537.1M

Blank (BB21642-BLK1) Blank — Prepared & Analyzed: 02/09/2022

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*51.3*		"	*74.3*		*69.1*	*25-150*				
Surrogate: M5PFHxA	*70.4*		"	*80.0*		*88.0*	*25-150*				
Surrogate: M4PFHpA	*61.4*		"	*80.0*		*76.7*	*25-150*				
Surrogate: M3PFHxS	*72.7*		"	*75.7*		*96.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: M6PFDA	*68.8*		"	*80.0*		*85.9*	*25-150*				
Surrogate: M7PFUdA	*74.9*		"	*80.0*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.5*		"	*80.0*		*89.3*	*25-150*				
Surrogate: M2PFTeDA	*57.9*		"	*80.0*		*72.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.7*		"	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*72.3*		"	*76.6*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.8*		"	*80.0*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.1*		"	*80.0*		*40.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.9*		"	*80.0*		*81.1*	*25-150*				
Surrogate: M2-6:2 FTS	*61.7*		"	*75.9*		*81.2*	*25-200*				
Surrogate: M2-8:2 FTS	*59.5*		"	*76.6*		*77.7*	*25-200*				
Surrogate: M9PFNA	*73.7*		"	*80.0*		*92.1*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21642 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21642-BS1) LCS							Prepared & Analyzed: 02/09/2022				
Perfluorobutanesulfonic acid (PFBS)	69.2	2.00	ng/L	70.8		97.8	50-130				
Perfluorohexanoic acid (PFHxA)	72.3	2.00	"	80.0		90.4	50-130				
Perfluoroheptanoic acid (PFHpA)	80.2	2.00	"	80.0		100	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.9	2.00	"	72.8		87.8	50-130				
Perfluorooctanoic acid (PFOA)	68.4	2.00	"	80.0		85.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	82.9	2.00	"	74.0		112	50-130				
Perfluorononanoic acid (PFNA)	68.4	2.00	"	80.0		85.4	50-130				
Perfluorodecanoic acid (PFDA)	103	2.00	"	80.0		129	50-130				
Perfluoroundecanoic acid (PFUnA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorododecanoic acid (PFDoA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	68.9	2.00	"	80.0		86.1	50-130				
Perfluorotetradecanoic acid (PFTA)	77.0	2.00	"	80.0		96.2	50-130				
N-MeFOSAA	71.0	2.00	"	80.0		88.7	50-130				
N-EtFOSAA	85.7	2.00	"	80.0		107	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	71.8	2.00	"	80.0		89.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.5	2.00	"	76.4		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	75.3	2.00	"	77.2		97.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	60.3	5.00	"	76.0		79.3	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.9	2.00	"	76.8		89.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	75.0	2.00	"	80.0		93.8	50-130				
Surrogate: M3PFBS	*68.1*		*"*	*74.3*		*91.6*	*25-150*				
Surrogate: M5PFHxA	*76.5*		*"*	*80.0*		*95.6*	*25-150*				
Surrogate: M4PFHpA	*66.7*		*"*	*80.0*		*83.4*	*25-150*				
Surrogate: M3PFHxS	*74.4*		*"*	*75.7*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.5*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*54.5*		*"*	*80.0*		*68.2*	*25-150*				
Surrogate: M7PFUdA	*85.5*		*"*	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.3*		*"*	*80.0*		*103*	*25-150*				
Surrogate: M2PFTeDA	*64.3*		*"*	*80.0*		*80.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.1*		*"*	*80.0*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.1*		*"*	*76.6*		*96.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.7*		*"*	*80.0*		*90.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.3*		*"*	*80.0*		*87.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*88.7*		*"*	*80.0*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*94.9*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M2-6:2 FTS	*79.4*		*"*	*75.9*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*79.7*		*"*	*76.6*		*104*	*25-200*				
Surrogate: M9PFNA	*79.3*		*"*	*80.0*		*99.2*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21642 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21642-BSD1) LCS Dup							Prepared & Analyzed: 02/09/2022				
Perfluorobutanesulfonic acid (PFBS)	73.9	2.00	ng/L	70.8		104	50-130		6.50	30	
Perfluorohexanoic acid (PFHxA)	77.4	2.00	"	80.0		96.7	50-130		6.81	30	
Perfluoroheptanoic acid (PFHpA)	82.9	2.00	"	80.0		104	50-130		3.25	30	
Perfluorohexanesulfonic acid (PFHxS)	69.1	2.00	"	72.8		94.9	50-130		7.75	30	
Perfluorooctanoic acid (PFOA)	68.9	2.00	"	80.0		86.2	50-130		0.834	30	
Perfluorooctanesulfonic acid (PFOS)	87.3	2.00	"	74.0		118	50-130		5.19	30	
Perfluorononanoic acid (PFNA)	73.5	2.00	"	80.0		91.9	50-130		7.24	30	
Perfluorodecanoic acid (PFDA)	72.4	2.00	"	80.0		90.5	50-130		35.2	30	Non-dir.
Perfluoroundecanoic acid (PFUnA)	90.8	2.00	"	80.0		114	50-130		16.3	30	
Perfluorododecanoic acid (PFDoA)	76.3	2.00	"	80.0		95.4	50-130		4.75	30	
Perfluorotridecanoic acid (PFTrDA)	71.9	2.00	"	80.0		89.8	50-130		4.24	30	
Perfluorotetradecanoic acid (PFTA)	80.7	2.00	"	80.0		101	50-130		4.67	30	
N-MeFOSAA	77.7	2.00	"	80.0		97.2	50-130		9.13	30	
N-EtFOSAA	89.8	2.00	"	80.0		112	50-130		4.68	30	
Perfluoropentanoic acid (PFPeA)	82.8	2.00	"	80.0		103	50-130		4.90	30	
Perfluoro-1-octanesulfonamide (FOSA)	80.2	2.00	"	80.0		100	50-130		11.1	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.6	2.00	"	76.4		103	50-130		0.0368	30	
Perfluoro-1-decanesulfonic acid (PFDS)	59.2	2.00	"	77.2		76.7	50-130		23.9	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.2	5.00	"	76.0		100	50-175		23.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	86.4	2.00	"	76.8		112	50-175		22.4	30	
Perfluoro-n-butanoic acid (PFBA)	80.4	2.00	"	80.0		101	50-130		6.92	30	
Surrogate: M3PFBS	*63.2*		*"*	*74.3*		*85.1*	*25-150*				
Surrogate: M5PFHxA	*68.9*		*"*	*80.0*		*86.1*	*25-150*				
Surrogate: M4PFHpA	*63.4*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: M3PFHxS	*72.6*		*"*	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.6*		*"*	*80.0*		*94.6*	*25-150*				
Surrogate: M6PFDA	*78.7*		*"*	*80.0*		*98.3*	*25-150*				
Surrogate: M7PFUdA	*67.5*		*"*	*80.0*		*84.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.6*		*"*	*80.0*		*80.8*	*25-150*				
Surrogate: M2PFTeDA	*52.8*		*"*	*80.0*		*66.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.3*		*"*	*80.0*		*84.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.8*		*"*	*76.6*		*92.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.8*		*"*	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.5*		*"*	*80.0*		*24.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.8*		*"*	*80.0*		*79.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.8*		*"*	*80.0*		*78.5*	*25-150*				
Surrogate: M2-6:2 FTS	*62.6*		*"*	*75.9*		*82.5*	*25-200*				
Surrogate: M2-8:2 FTS	*64.5*		*"*	*76.6*		*84.1*	*25-200*				
Surrogate: M9PFNA	*73.8*		*"*	*80.0*		*92.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21654 - EPA SW846-3510C Low Level											
Blank (BB21654-BLK1) Blank									Prepared: 02/09/2022 Analyzed: 02/13/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	*0.140*		*"*	*0.200*		*70.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.115*		*"*	*0.200*		*57.3*	*30-150*				
LCS (BB21654-BS1) LCS									Prepared: 02/09/2022 Analyzed: 02/13/2022		
4,4'-DDD	0.0806	0.00400	ug/L	0.100		80.6	40-140				
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140				
4,4'-DDT	0.101	0.00400	"	0.100		101	40-140				
Aldrin	0.0893	0.00400	"	0.100		89.3	40-140				
alpha-BHC	0.0839	0.00400	"	0.100		83.9	40-140				
alpha-Chlordane	0.0963	0.00400	"	0.100		96.3	40-140				
beta-BHC	0.0783	0.00400	"	0.100		78.3	40-140				
delta-BHC	0.0853	0.00400	"	0.100		85.3	40-140				
Dieldrin	0.100	0.00200	"	0.100		100	40-140				
Endosulfan I	0.0950	0.00400	"	0.100		95.0	40-140				
Endosulfan II	0.0932	0.00400	"	0.100		93.2	40-140				
Endosulfan sulfate	0.0834	0.00400	"	0.100		83.4	40-140				
Endrin	0.106	0.00400	"	0.100		106	40-140				
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140				
Endrin ketone	0.102	0.0100	"	0.100		102	40-140				
gamma-BHC (Lindane)	0.0857	0.00400	"	0.100		85.7	40-140				
gamma-Chlordane	0.0965	0.0100	"	0.100		96.5	40-140				
Heptachlor	0.0842	0.00400	"	0.100		84.2	40-140				
Heptachlor epoxide	0.0961	0.00400	"	0.100		96.1	40-140				
Methoxychlor	0.119	0.00400	"	0.100		119	40-140				
Surrogate: Decachlorobiphenyl	*0.131*		*"*	*0.200*		*65.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.105*		*"*	*0.200*		*52.5*	*30-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21654 - EPA SW846-3510C Low Level											
LCS Dup (BB21654-BSD1) LCS Dup								Prepared: 02/09/2022 Analyzed: 02/13/2022			
4,4'-DDD	0.0841	0.00400	ug/L	0.100		84.1	40-140		4.25	20	
4,4'-DDE	0.106	0.00400	"	0.100		106	40-140		3.70	20	
4,4'-DDT	0.103	0.00400	"	0.100		103	40-140		2.08	20	
Aldrin	0.0915	0.00400	"	0.100		91.5	40-140		2.51	20	
alpha-BHC	0.0880	0.00400	"	0.100		88.0	40-140		4.73	20	
alpha-Chlordane	0.0974	0.00400	"	0.100		97.4	40-140		1.16	20	
beta-BHC	0.0818	0.00400	"	0.100		81.8	40-140		4.44	20	
delta-BHC	0.0888	0.00400	"	0.100		88.8	40-140		4.04	20	
Dieldrin	0.103	0.00200	"	0.100		103	40-140		2.30	20	
Endosulfan I	0.0972	0.00400	"	0.100		97.2	40-140		2.29	20	
Endosulfan II	0.0967	0.00400	"	0.100		96.7	40-140		3.76	20	
Endosulfan sulfate	0.0861	0.00400	"	0.100		86.1	40-140		3.20	20	
Endrin	0.108	0.00400	"	0.100		108	40-140		1.83	20	
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140		0.140	20	
Endrin ketone	0.107	0.0100	"	0.100		107	40-140		5.62	20	
gamma-BHC (Lindane)	0.0896	0.00400	"	0.100		89.6	40-140		4.39	20	
gamma-Chlordane	0.0981	0.0100	"	0.100		98.1	40-140		1.66	20	
Heptachlor	0.0840	0.00400	"	0.100		84.0	40-140		0.213	20	
Heptachlor epoxide	0.0983	0.00400	"	0.100		98.3	40-140		2.29	20	
Methoxychlor	0.122	0.00400	"	0.100		122	40-140		2.78	20	
Surrogate: Decachlorobiphenyl	*0.138*		*"*	*0.200*		*69.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.113*		*"*	*0.200*		*56.6*	*30-150*				
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix								Prepared & Analyzed: 02/07/2022			
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				

Polychlorinated Biphenyls by GC/ECD - 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 BB21654 - EPA SW846-3510C Low Level											
Blank (BB21654-BLK2) Blank								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.142*		*"*	*0.200*		*71.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.114*		*"*	*0.200*		*57.0*	*30-120*				
LCS (BB21654-BS2) LCS								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Aroclor 1016	1.01	0.0500	ug/L	1.00		101	40-120				
Aroclor 1260	0.951	0.0500	"	1.00		95.1	40-120				
Surrogate: Tetrachloro-m-xylene	*0.142*		*"*	*0.200*		*71.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.108*		*"*	*0.200*		*54.0*	*30-120*				
LCS Dup (BB21654-BSD2) LCS Dup								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Aroclor 1016	0.964	0.0500	ug/L	1.00		96.4	40-120		4.64	30	
Aroclor 1260	0.888	0.0500	"	1.00		88.8	40-120		6.85	30	
Surrogate: Tetrachloro-m-xylene	*0.137*		*"*	*0.200*		*68.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.107*		*"*	*0.200*		*53.5*	*30-120*				
Batch Y2B1037 - BB21711											
Aroclor Reference (Y2B1037- Aroclor Reference								Prepared & Analyzed: 02/10/2022			
Surrogate: Tetrachloro-m-xylene	*0.200*		*ug/mL*	*0.200*		*100*					
Surrogate: Decachlorobiphenyl	*0.175*		*"*	*0.200*		*87.5*					

Polychlorinated Biphenyls by GC/ECD - 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 Y2B1408 - BB21711											
Aroclor Reference (Y2B1408- Aroclor Reference										Prepared & Analyzed: 02/11/2022	
Surrogate: Tetrachloro-m-xylene	*0.197*		*ug/mL*	*0.200*		*98.5*					
Surrogate: Decachlorobiphenyl	*0.184*		*"*	*0.200*		*92.0*					

Chlorinated Herbicides by GC/ECD - 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 BB21643 - EPA 8151A											
Blank (BB21643-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*88.5*		*"*	*125*		*70.8*	*30-150*				
LCS (BB21643-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	18.5	5.00	ug/L	40.0		46.2	10-140				
2,4,5-TP (Silvex)	21.2	5.00	"	40.0		53.1	10-139				
2,4-D	20.5	5.00	"	40.0		51.2	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*78.8*		*"*	*125*		*63.0*	*30-150*				

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 BB21742 - EPA 3015A											
Blank (BB21742-BLK1) Blank									Prepared & Analyzed: 02/10/2022		
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BB21742-BS1) LCS									Prepared & Analyzed: 02/10/2022		
Aluminum	1.93		ug/mL	2.00		96.5	80-120				
Barium	2.02		"	2.00		101	80-120				
Calcium	0.968		"	1.00		96.8	80-120				
Chromium	0.197		"	0.200		98.6	80-120				
Cobalt	0.507		"	0.500		101	80-120				
Copper	0.259		"	0.250		104	80-120				
Iron	1.20		"	1.00		120	80-120				
Lead	0.523		"	0.500		105	80-120				
Magnesium	0.959		"	1.00		95.9	80-120				
Manganese	0.505		"	0.500		101	80-120				
Nickel	0.493		"	0.500		98.6	80-120				
Potassium	0.871		"	1.00		87.1	80-120				
Silver	0.0506		"	0.0500		101	80-120				
Sodium	1.00		"	1.00		100	80-120				
Vanadium	0.493		"	0.500		98.6	80-120				
Zinc	0.470		"	0.500		94.1	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 BB21742 - EPA 3015A											
Duplicate (BB21742-DUP1) Duplicate	*Source sample: 22B0396-01 (Duplicate)								Prepared & Analyzed: 02/10/2022		
Aluminum	6.01	0.0556	mg/L		5.52				8.52	20	
Barium	0.326	0.0278	"		0.312				4.31	20	
Calcium	149	0.0556	"		146				1.80	20	
Chromium	0.0157	0.00556	"		0.0168				6.66	20	
Cobalt	0.00612	0.00444	"		0.00536				13.3	20	
Copper	0.211	0.0222	"		0.204				3.41	20	
Iron	19.8	0.278	"		19.9				0.686	20	
Lead	0.268	0.00556	"		0.262				2.03	20	
Magnesium	15.8	0.0556	"		15.5				1.82	20	
Manganese	0.903	0.00556	"		0.868				3.99	20	
Nickel	ND	0.0111	"		ND					20	
Potassium	27.4	0.0556	"		27.0				1.64	20	
Silver	ND	0.00556	"		ND					20	
Sodium	172	0.556	"		170				1.53	20	
Vanadium	0.0191	0.0111	"		0.0200				4.79	20	
Zinc	0.573	0.0278	"		0.531				7.48	20	
Matrix Spike (BB21742-MS1) Matrix Spike	*Source sample: 22B0396-01 (Matrix Spike)								Prepared & Analyzed: 02/10/2022		
Aluminum	7.88	0.0556	mg/L	2.22	5.52	106	75-125				
Barium	2.91	0.0278	"	2.22	0.312	117	75-125				
Calcium	145	0.0556	"	1.11	146	NR	75-125	Low Bias			
Chromium	0.272	0.00556	"	0.222	0.0168	115	75-125				
Cobalt	0.654	0.00444	"	0.556	0.00536	117	75-125				
Copper	0.567	0.0222	"	0.278	0.204	131	75-125	High Bias			
Iron	20.2	0.278	"	1.11	19.9	29.6	75-125	Low Bias			
Lead	0.935	0.00556	"	0.556	0.262	121	75-125				
Magnesium	16.2	0.0556	"	1.11	15.5	57.5	75-125	Low Bias			
Manganese	1.61	0.00556	"	0.556	0.868	134	75-125	High Bias			
Nickel	0.655	0.0111	"	0.556	ND	118	75-125				
Potassium	27.7	0.0556	"	1.11	27.0	64.9	75-125	Low Bias			
Silver	0.0621	0.00556	"	0.0556	ND	112	75-125				
Sodium	167	0.556	"	1.11	170	NR	75-125	Low Bias			
Vanadium	0.664	0.0111	"	0.556	0.0200	116	75-125				
Zinc	1.22	0.0278	"	0.556	0.531	124	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 BB21742 - EPA 3015A											
Post Spike (BB21742-PS1) Post Spike	*Source sample: 22B0396-01 (Post Spike)							Prepared & Analyzed: 02/10/2022			
Aluminum	7.32		ug/mL	2.00	4.97	118	75-125				
Barium	2.62		"	2.00	0.281	117	75-125				
Calcium	130		"	1.00	131	NR	75-125	Low Bias			
Chromium	0.244		"	0.200	0.0151	114	75-125				
Cobalt	0.588		"	0.500	0.00482	117	75-125				
Copper	0.513		"	0.250	0.183	132	75-125	High Bias			
Iron	19.0		"	1.00	17.9	106	75-125				
Lead	0.866		"	0.500	0.236	126	75-125	High Bias			
Magnesium	15.0		"	1.00	14.0	98.7	75-125				
Manganese	1.43		"	0.500	0.781	130	75-125	High Bias			
Nickel	0.609		"	0.500	-0.00412	122	75-125				
Potassium	25.1		"	1.00	24.3	84.4	75-125				
Silver	0.0433		"	0.0500	0.000248	86.2	75-125				
Sodium	150		"	1.00	153	NR	75-125	Low Bias			
Vanadium	0.600		"	0.500	0.0180	116	75-125				
Zinc	1.10		"	0.500	0.478	125	75-125				

Metals by ICP/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 BB21916 - EPA 3015A											
Blank (BB21916-BLK1) Blank								Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BB21916-BS1) LCS								Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	45.2		ug/L	50.0		90.4	80-120				
Arsenic	46.7		"	50.0		93.5	80-120				
Beryllium	45.0		"	50.0		90.1	80-120				
Cadmium	46.8		"	50.0		93.6	80-120				
Selenium	38.9		"	50.0		77.7	80-120	Low Bias			
Thallium	47.1		"	50.0		94.2	80-120				
Duplicate (BB21916-DUP1) Duplicate *Source sample: 22B0396-01 (Duplicate)								Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00145	0.00111	"		0.00788				138	20	Non-dir.
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		0.00133					20	
Selenium	0.0610	0.00111	"		0.00870				150	20	Non-dir.
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BB21916-MS1) Matrix Spike *Source sample: 22B0396-01 (Matrix Spike)								Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	47.0		ug/L	50.0	0.376	93.2	75-125				
Arsenic	58.5		"	50.0	7.09	103	75-125				
Beryllium	23.4		"	50.0	0.088	46.6	75-125	Low Bias			
Cadmium	43.8		"	50.0	1.20	85.2	75-125				
Selenium	51.0		"	50.0	7.83	86.4	75-125				
Thallium	40.6		"	50.0	0.024	81.2	75-125				

Mercury by EPA 7000/200 Series Methods - 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 BB21619 - EPA SW846-7470A											
Blank (BB21619-BLK1) Blank								Prepared & Analyzed: 02/08/2022			
Mercury	ND	0.0002	mg/L								
LCS (BB21619-BS1) LCS								Prepared & Analyzed: 02/08/2022			
Mercury	0.0020287	0.0002	mg/L	0.00200		101	80-120				
LCS (BB21619-BS2) LCS								Prepared & Analyzed: 02/08/2022			
Mercury	0.0020255	0.0002	mg/L	0.00200		101	80-120				

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 BB21622 - Analysis Preparation												
Blank (BB21622-BLK1)	Blank									Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BB21622-BS1)	LCS									Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		0.524	0.0100	mg/L	0.500		105	80-120				
Duplicate (BB21622-DUP1)	Duplicate	*Source sample: 22B0319-04 (035_FB-2)								Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BB21622-MS1)	Matrix Spike	*Source sample: 22B0319-04 (035_FB-2)								Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		0.511	0.0100	mg/L	0.500	ND	102	75-125				
Batch BB21760 - Analysis Preparation												
Blank (BB21760-BLK1)	Blank									Prepared & Analyzed: 02/10/2022		
Cyanide, total		ND	0.0100	mg/L								
LCS (BB21760-BS1)	LCS									Prepared & Analyzed: 02/10/2022		
Cyanide, total		0.216	0.0100	mg/L	0.200		108	80-120				
Duplicate (BB21760-DUP1)	Duplicate	*Source sample: 22B0379-01 (Duplicate)								Prepared & Analyzed: 02/10/2022		
Cyanide, total		0.0511	0.0100	mg/L		0.0479				6.39	15	
Matrix Spike (BB21760-MS1)	Matrix Spike	*Source sample: 22B0379-01 (Matrix Spike)								Prepared & Analyzed: 02/10/2022		
Cyanide, total		0.291	0.0100	mg/L	0.200	0.0479	122	79-105	High Bias			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0319-01	032_LMW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0319-02	033_DUP-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0319-03	034_LMW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0319-04	035_FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0319-06	037_TB-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of 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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
CCV-E	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).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

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.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: 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. 22B0319

Page 1 of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	100964201	RUSH - Next Day
Address: 300 Kimball Drive, Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 213 Meadow Street	RUSH - Two Day
Phone: 973 560 4900	Phone:	Phone:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail: mmatten@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 your name above and sign below)
Morgan McBride

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 Deliverables; NYSDEC EQuIS
(NY ASP B Package); NJDKQP; 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
032_LMW-1	GW	2/7/22 0935	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS	
033_DUP-2		1035		
034_LMW-2		1305		
~~035_LMW-3~~				
~~036_LMW-4~~				
~~037_FB-2~~ 035_FB-2	AQ	1400		
~~038_EB-4~~ 036_EB-4	↓	1410	1,4-dioxane, PFAS	
~~039_TB-3~~ 037_TB-3		—	VOCs	

Comments:
5-Day TAT, except PFAS with standard TAT

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ 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
Morgan McBride Langan	2/8/22 0930	Langan warehouse	2/8/22 0930	Langan	2/8/22 1120
Andrew S. York	2/8/22 1120	Andrew S. York	2/8/22 1803	N York Lab	2/8/22 1803
N York Lab	2/8/22 2017			Samples Received in LAB by: KBlackie 2/8/22 2017	Temp. Received at Lab: 2.1 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/17/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0357

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 02/17/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0357

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

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 08, 2022 and listed below. The project was identified as your project: **100964201**.

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
22B0357-01	038_EB-5	Water	02/08/2022	02/08/2022
22B0357-02	039_TB-4	Water	02/08/2022	02/08/2022
22B0357-03	040_LMW-4	Water	02/08/2022	02/08/2022
22B0357-04	041_LMW-3	Water	02/08/2022	02/08/2022

General Notes for York Project (SDG) No.: 22B0357

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:** 02/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 038_EB-5 **York Sample ID:** 22B0357-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:00 am	02/08/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	02/10/2022 07:43	02/11/2022 14:38	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*100 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL

Sample Information

Client Sample ID: 038_EB-5 **York Sample ID:** 22B0357-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:00 am	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:28	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.9 %*	*25-150*
Surrogate: M5PFHxA	*93.1 %*	*25-150*
Surrogate: M4PFHpA	*85.4 %*	*25-150*
Surrogate: M3PFHxS	*94.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*95.8 %*	*25-150*
Surrogate: M6PFDA	*99.2 %*	*25-150*
Surrogate: M7PFUdA	*80.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*70.9 %*	*25-150*
Surrogate: M2PFTeDA	*37.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*89.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*26.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*89.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*90.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*104 %*	*25-200*
Surrogate: M2-8:2 FTS	*137 %*	*25-200*
Surrogate: M9PFNA	*93.0 %*	*25-150*

Sample Information

Client Sample ID: 039_TB-4 **York Sample ID:** 22B0357-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 039_TB-4 **York Sample ID:** 22B0357-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.650**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.12**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 039_TB-4 **York Sample ID:** 22B0357-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**2.67**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	**tert-Butyl alcohol (TBA)**	**0.610**	CCV-E	ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 039_TB-4 **York Sample ID:** 22B0357-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:03	JTG
								Certifications:	CTDOH,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*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.270**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.570**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**7.07**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**0.270**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**0.230**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.710**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 17:45	JTG
								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*	*104 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*29.7 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*17.8 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*57.0 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.1 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*82.2 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.0 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1.66**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	**Acenaphthylene**	**0.0667**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	**Anthracene**	**0.400**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	**Benzo(a)anthracene**	**0.0778**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.0778**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.0667**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.0667**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	**Chrysene**	**0.0778**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.356**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.956**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**2.10**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**1.47**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.278**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:13	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**1.18**		ug/L	0.300	1	EPA 8270D SIM	02/15/2022 08:04	02/15/2022 15:01	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*108 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**12.3**		ng/L	1.89	1	EPA 537m	02/09/2022 10:40	02/10/2022 12:41	WL
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**15.3**		ng/L	1.89	1	EPA 537m	02/09/2022 10:40	02/10/2022 12:41	WL
							Certifications:			
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**16.4**		ng/L	1.89	1	EPA 537m	02/09/2022 10:40	02/10/2022 12:41	WL
							Certifications:			

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**20.3**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**94.8**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**79.4**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**4.24**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
2355-31-9	* **N-MeFOSAA**	**2.05**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
2991-50-6	* **N-EtFOSAA**	**8.34**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**9.53**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**25.7**		ng/L	1.89	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:41	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.6 %*	*25-150*
Surrogate: M5PFHxA	*75.9 %*	*25-150*
Surrogate: M4PFHpA	*55.9 %*	*25-150*
Surrogate: M3PFHxS	*112 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*103 %*	*25-150*

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	*140 %*		*25-150*						
	Surrogate: M7PFUdA	*146 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*130 %*		*25-150*						
	Surrogate: M2PFTeDA	*108 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*117 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*70.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*5.96 %*	PFSu-L	*10-150*						
	Surrogate: d3-N-MeFOSAA	*154 %*	PFSu-H	*25-150*						
	Surrogate: d5-N-EtFOSAA	*171 %*	PFSu-H	*25-150*						
	Surrogate: M2-6:2 FTS	*292 %*	PFSu-H	*25-200*						
	Surrogate: M2-8:2 FTS	*224 %*	PFSu-H	*25-200*						
	Surrogate: M9PFNA	*137 %*		*25-150*						

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	**Endosulfan I**	**0.0528**		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:22	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*48.3 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:06	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.0 %*		*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*28.0 %*	S-GC	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 22:11	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 22:11	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 22:11	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*58.8 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	**Aluminum**	**0.510**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**0.117**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**84.5**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**0.00677**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**4.05**		mg/L	0.278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.0925**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**64.2**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

Metals, Target Analyte, ICP

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**	**0.207**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**40.2**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**63.2**		mg/L	0.556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.0470**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:20	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.00542**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:20	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:20	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:20	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00248**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:20	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:20	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0003**		mg/L	0.0002	1	EPA 7470	02/09/2022 19:27	02/09/2022 19:27	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: 040_LMW-4 **York Sample ID:** 22B0357-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 9:50 am	02/08/2022

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
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/08/2022 20:37	02/08/2022 22:36	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/15/2022 15:40	02/15/2022 15:55	PAM
							Certifications:			

Cyanide, 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
57-12-5	**Cyanide, total**	**0.0591**		mg/L	0.0100	1	SM 4500 CN C/E	02/10/2022 18:00	02/10/2022 21:15	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.230**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**3.44**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	**Chloroform**	**0.700**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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**	**0.200**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.990**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.630**		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 18:12	JTG
								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*	*104 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*79-122*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/11/2022 12:57	02/14/2022 16:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*30.1 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*22.1 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*73.7 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*76.8 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*94.6 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*93.1 %*	*30.7-106*

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.378**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.156**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	**Fluoranthene**	**0.122**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.211**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.656**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**0.467**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.0889**		ug/L	0.0556	1	EPA 8270D SIM	02/11/2022 12:57	02/15/2022 18:49	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes: **HT-01R**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**0.448**		ug/L	0.300	1	EPA 8270D SIM	02/16/2022 08:00	02/17/2022 10:02	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**8.03**		ng/L	1.79	1	EPA 537m	02/09/2022 10:40	02/10/2022 12:53	WL
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**28.9**		ng/L	1.79	1	EPA 537m	02/09/2022 10:40	02/10/2022 12:53	WL
							Certifications:			

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**41.3**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**9.24**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**60.8**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**115**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**5.13**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**2.31**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**51.0**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**2.27**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**28.1**		ng/L	1.79	1	EPA 537m Certifications:	02/09/2022 10:40	02/10/2022 12:53	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*72.0 %*	*25-150*
Surrogate: M5PFHxA	*67.7 %*	*25-150*
Surrogate: M4PFHpA	*47.5 %*	*25-150*

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*105 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*118 %*		*25-150*						
	Surrogate: M6PFDA	*115 %*		*25-150*						
	Surrogate: M7PFUdA	*109 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*96.7 %*		*25-150*						
	Surrogate: M2PFTeDA	*72.8 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*43.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*107 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*45.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*4.09 %*	PFSu-L	*10-150*						
	Surrogate: d3-N-MeFOSAA	*133 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*139 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*220 %*	PFSu-H	*25-200*						
	Surrogate: M2-8:2 FTS	*297 %*	PFSu-H	*25-200*						
	Surrogate: M9PFNA	*122 %*		*25-150*						

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B	02/09/2022 12:51	02/13/2022 19:39	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.7 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.5 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A	02/09/2022 12:51	02/10/2022 21:20	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*57.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.5 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 22:22	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 22:22	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 22:22	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*66.8 %*	*30-150*

Metals, Target Analyte, ICP

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
7429-90-5	**Aluminum**	**3.63**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**0.152**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**184**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**0.00894**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**14.3**		mg/L	0.278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**0.0572**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Metals, Target Analyte, ICP

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
7439-95-4	**Magnesium**	**42.5**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**0.774**		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**24.1**		mg/L	0.0556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**53.2**		mg/L	0.556	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.0805**		mg/L	0.0278	1	EPA 6010D	02/10/2022 11:35	02/10/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:23	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.0205**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:23	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:23	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:23	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00679**		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:23	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/14/2022 16:30	02/15/2022 16:23	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0003**		mg/L	0.0002	1	EPA 7470	02/09/2022 19:27	02/09/2022 19:27	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: 041_LMW-3 **York Sample ID:** 22B0357-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0357	100964201	Water	February 8, 2022 3:00 pm	02/08/2022

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/08/2022 20:37	02/08/2022 22:36	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/15/2022 15:40	02/15/2022 15:55	PAM
							Certifications:			

Cyanide, 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
57-12-5	**Cyanide, total**	**0.0430**		mg/L	0.0100	1	SM 4500 CN C/E	02/10/2022 18:00	02/10/2022 21:15	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analytical Batch Summary

Batch ID: BB21622 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/08/22
22B0357-04	041_LMW-3	02/08/22
BB21622-BLK1	Blank	02/08/22
BB21622-BS1	LCS	02/08/22
BB21622-DUP1	Duplicate	02/08/22
BB21622-MS1	Matrix Spike	02/08/22

Batch ID: BB21642 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-01	038_EB-5	02/09/22
22B0357-03	040_LMW-4	02/09/22
22B0357-04	041_LMW-3	02/09/22
BB21642-BLK1	Blank	02/09/22
BB21642-BS1	LCS	02/09/22
BB21642-BSD1	LCS Dup	02/09/22

Batch ID: BB21643 **Preparation Method:** EPA 8151A **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/10/22
22B0357-04	041_LMW-3	02/10/22
BB21643-BLK1	Blank	02/10/22
BB21643-BS1	LCS	02/10/22

Batch ID: BB21654 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/09/22
22B0357-03	040_LMW-4	02/09/22
22B0357-04	041_LMW-3	02/09/22
22B0357-04	041_LMW-3	02/09/22
BB21654-BLK1	Blank	02/09/22
BB21654-BLK2	Blank	02/09/22
BB21654-BS1	LCS	02/09/22
BB21654-BS2	LCS	02/09/22
BB21654-BSD1	LCS Dup	02/09/22
BB21654-BSD2	LCS Dup	02/09/22

Batch ID: BB21678 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-02	039_TB-4	02/09/22

22B0357-03	040_LMW-4	02/09/22
22B0357-04	041_LMW-3	02/09/22
BB21678-BLK1	Blank	02/09/22
BB21678-BS1	LCS	02/09/22
BB21678-BSD1	LCS Dup	02/09/22

Batch ID: BB21696 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/09/22
22B0357-04	041_LMW-3	02/09/22
BB21696-BLK1	Blank	02/09/22
BB21696-BS1	LCS	02/09/22
BB21696-BS2	LCS	02/09/22

Batch ID: BB21707 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-01	038_EB-5	02/10/22
BB21707-BLK1	Blank	02/10/22
BB21707-BS1	LCS	02/10/22
BB21707-MS1	Matrix Spike	02/10/22
BB21707-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21742 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/10/22
22B0357-04	041_LMW-3	02/10/22
BB21742-BLK1	Blank	02/10/22
BB21742-BS1	LCS	02/10/22
BB21742-DUP1	Duplicate	02/10/22
BB21742-MS1	Matrix Spike	02/10/22
BB21742-PS1	Post Spike	02/10/22

Batch ID: BB21760 **Preparation Method:** Analysis Preparation **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/10/22
22B0357-04	041_LMW-3	02/10/22
BB21760-BLK1	Blank	02/10/22
BB21760-BS1	LCS	02/10/22
BB21760-DUP1	Duplicate	02/10/22
BB21760-MS1	Matrix Spike	02/10/22

Batch ID: BB21821 **Preparation Method:** EPA 3510C **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date

22B0357-03	040_LMW-4	02/11/22
22B0357-04	041_LMW-3	02/11/22
BB21821-BLK1	Blank	02/11/22
BB21821-BLK2	Blank	02/11/22
BB21821-BS1	LCS	02/11/22
BB21821-BS2	LCS	02/11/22

Batch ID: BB21916 **Preparation Method:** EPA 3015A **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/14/22
22B0357-04	041_LMW-3	02/14/22
BB21916-BLK1	Blank	02/14/22
BB21916-BS1	LCS	02/14/22
BB21916-DUP1	Duplicate	02/14/22
BB21916-MS1	Matrix Spike	02/14/22

Batch ID: BB21933 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/15/22
BB21933-BLK1	Blank	02/15/22
BB21933-BS1	LCS	02/15/22
BB21933-MS1	Matrix Spike	02/15/22
BB21933-MSD1	Matrix Spike Dup	02/15/22

Batch ID: BB21983 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-03	040_LMW-4	02/15/22
22B0357-04	041_LMW-3	02/15/22

Batch ID: BB22025 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0357-04	041_LMW-3	02/16/22
BB22025-BLK1	Blank	02/16/22
BB22025-BS1	LCS	02/16/22
BB22025-BSD1	LCS Dup	02/16/22

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 BB21678 - EPA 5030B											
Blank (BB21678-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								

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 BB21678 - EPA 5030B											
Blank (BB21678-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*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 BB21678 - EPA 5030B											
LCS (BB21678-BS1) LCS							Prepared & Analyzed: 02/09/2022				
1,1,1,2-Tetrachloroethane	8.78		ug/L	10.0		87.8	82-126				
1,1,1-Trichloroethane	9.14		"	10.0		91.4	78-136				
1,1,2,2-Tetrachloroethane	9.46		"	10.0		94.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	8.78		"	10.0		87.8	82-123				
1,1-Dichloroethane	9.78		"	10.0		97.8	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	9.26		"	10.0		92.6	83-133				
1,2,3-Trichlorobenzene	7.23		"	10.0		72.3	76-136	Low Bias			
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128				
1,2,4-Trichlorobenzene	7.57		"	10.0		75.7	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.83		"	10.0		98.3	82-132				
1,2-Dibromo-3-chloropropane	7.29		"	10.0		72.9	45-147				
1,2-Dibromoethane	8.77		"	10.0		87.7	83-124				
1,2-Dichlorobenzene	9.36		"	10.0		93.6	79-123				
1,2-Dichloroethane	9.58		"	10.0		95.8	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	9.95		"	10.0		99.5	80-131				
1,3-Dichlorobenzene	8.84		"	10.0		88.4	86-122				
1,3-Dichloropropane	9.20		"	10.0		92.0	81-125				
1,4-Dichlorobenzene	9.06		"	10.0		90.6	85-124				
1,4-Dioxane	227		"	210		108	10-349				
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150				
2-Butanone	9.40		"	10.0		94.0	49-152				
2-Chlorotoluene	10.1		"	10.0		101	79-130				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145				
Acetone	9.41		"	10.0		94.1	14-150				
Acrolein	5.22		"	10.0		52.2	10-153				
Acrylonitrile	9.64		"	10.0		96.4	51-150				
Benzene	9.73		"	10.0		97.3	85-126				
Bromobenzene	9.80		"	10.0		98.0	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.19		"	10.0		91.9	79-128				
Bromoform	7.57		"	10.0		75.7	78-133	Low Bias			
Bromomethane	3.19		"	10.0		31.9	43-168	Low Bias			
Carbon disulfide	10.2		"	10.0		102	68-146				
Carbon tetrachloride	9.22		"	10.0		92.2	77-141				
Chlorobenzene	9.80		"	10.0		98.0	88-120				
Chloroethane	10.4		"	10.0		104	65-136				
Chloroform	9.44		"	10.0		94.4	82-128				
Chloromethane	10.0		"	10.0		100	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	9.31		"	10.0		93.1	80-131				
Cyclohexane	8.15		"	10.0		81.5	63-149				
Dibromochloromethane	8.12		"	10.0		81.2	80-130				
Dibromomethane	8.97		"	10.0		89.7	72-134				
Dichlorodifluoromethane	11.6		"	10.0		116	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.73		"	10.0		97.3	67-146				

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 BB21678 - EPA 5030B											
LCS (BB21678-BS1) LCS								Prepared & Analyzed: 02/09/2022			
Isopropylbenzene	10.5		ug/L	10.0		105	76-140				
Methyl acetate	9.33		"	10.0		93.3	51-139				
Methyl tert-butyl ether (MTBE)	9.04		"	10.0		90.4	76-135				
Methylcyclohexane	10.8		"	10.0		108	72-143				
Methylene chloride	9.72		"	10.0		97.2	55-137				
n-Butylbenzene	10.9		"	10.0		109	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	18.0		"	20.0		90.0	77-133				
p-Isopropyltoluene	9.91		"	10.0		99.1	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	9.76		"	10.0		97.6	67-132				
tert-Butyl alcohol (TBA)	38.7		"	50.0		77.4	25-162				
tert-Butylbenzene	7.97		"	10.0		79.7	77-138				
Tetrachloroethylene	8.48		"	10.0		84.8	82-131				
Toluene	9.92		"	10.0		99.2	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.04		"	10.0		90.4	78-131				
Trichloroethylene	9.41		"	10.0		94.1	82-128				
Trichlorofluoromethane	11.2		"	10.0		112	67-139				
Vinyl acetate	10.8		"	10.0		108	21-90	High Bias			
Vinyl Chloride	12.8		"	10.0		128	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
LCS Dup (BB21678-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2022			
1,1,1,2-Tetrachloroethane	8.71		ug/L	10.0		87.1	82-126		0.800	30	
1,1,1-Trichloroethane	8.90		"	10.0		89.0	78-136		2.66	30	
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129		3.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		3.13	30	
1,1,2-Trichloroethane	9.06		"	10.0		90.6	82-123		3.14	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	82-129		2.07	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		4.53	30	
1,1-Dichloropropylene	9.05		"	10.0		90.5	83-133		2.29	30	
1,2,3-Trichlorobenzene	7.53		"	10.0		75.3	76-136	Low Bias	4.07	30	
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128		3.96	30	
1,2,4-Trichlorobenzene	7.73		"	10.0		77.3	76-137		2.09	30	
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	82-132		5.22	30	
1,2-Dibromo-3-chloropropane	7.69		"	10.0		76.9	45-147		5.34	30	
1,2-Dibromoethane	9.16		"	10.0		91.6	83-124		4.35	30	
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123		2.49	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		1.35	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		0.474	30	
1,3,5-Trimethylbenzene	9.49		"	10.0		94.9	80-131		4.73	30	
1,3-Dichlorobenzene	8.45		"	10.0		84.5	86-122	Low Bias	4.51	30	
1,3-Dichloropropane	9.50		"	10.0		95.0	81-125		3.21	30	
1,4-Dichlorobenzene	8.71		"	10.0		87.1	85-124		3.94	30	
1,4-Dioxane	239		"	210		114	10-349		5.20	30	
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150		3.46	30	
2-Butanone	10.1		"	10.0		101	49-152		7.48	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21678 - EPA 5030B

LCS Dup (BB21678-BSD1) LCS Dup — Prepared & Analyzed: 02/09/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
2-Chlorotoluene	9.66		ug/L	10.0		96.6	79-130		4.65	30	
2-Hexanone	11.0		"	10.0		110	51-146		8.70	30	
4-Chlorotoluene	9.66		"	10.0		96.6	79-128		4.75	30	
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145		8.85	30	
Acetone	9.91		"	10.0		99.1	14-150		5.18	30	
Acrolein	5.54		"	10.0		55.4	10-153		5.95	30	
Acrylonitrile	9.76		"	10.0		97.6	51-150		1.24	30	
Benzene	9.53		"	10.0		95.3	85-126		2.08	30	
Bromobenzene	9.61		"	10.0		96.1	78-129		1.96	30	
Bromochloromethane	10.0		"	10.0		100	77-128		0.498	30	
Bromodichloromethane	9.21		"	10.0		92.1	79-128		0.217	30	
Bromoform	8.00		"	10.0		80.0	78-133		5.52	30	
Bromomethane	2.82		"	10.0		28.2	43-168	Low Bias	12.3	30	
Carbon disulfide	9.58		"	10.0		95.8	68-146		5.97	30	
Carbon tetrachloride	8.98		"	10.0		89.8	77-141		2.64	30	
Chlorobenzene	9.63		"	10.0		96.3	88-120		1.75	30	
Chloroethane	9.71		"	10.0		97.1	65-136		6.57	30	
Chloroform	9.23		"	10.0		92.3	82-128		2.25	30	
Chloromethane	8.75		"	10.0		87.5	43-155		13.4	30	
cis-1,2-Dichloroethylene	9.64		"	10.0		96.4	83-129		2.15	30	
cis-1,3-Dichloropropylene	9.34		"	10.0		93.4	80-131		0.322	30	
Cyclohexane	8.00		"	10.0		80.0	63-149		1.86	30	
Dibromochloromethane	8.38		"	10.0		83.8	80-130		3.15	30	
Dibromomethane	9.27		"	10.0		92.7	72-134		3.29	30	
Dichlorodifluoromethane	10.5		"	10.0		105	44-144		10.1	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		2.11	30	
Hexachlorobutadiene	9.98		"	10.0		99.8	67-146		2.54	30	
Isopropylbenzene	9.99		"	10.0		99.9	76-140		5.17	30	
Methyl acetate	10.0		"	10.0		100	51-139		6.93	30	
Methyl tert-butyl ether (MTBE)	9.33		"	10.0		93.3	76-135		3.16	30	
Methylcyclohexane	10.7		"	10.0		107	72-143		0.745	30	
Methylene chloride	9.50		"	10.0		95.0	55-137		2.29	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		3.74	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		5.31	30	
o-Xylene	10.1		"	10.0		101	78-130		1.77	30	
p- & m- Xylenes	17.6		"	20.0		88.0	77-133		2.30	30	
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136		4.65	30	
sec-Butylbenzene	9.75		"	10.0		97.5	79-137		5.29	30	
Styrene	9.65		"	10.0		96.5	67-132		1.13	30	
tert-Butyl alcohol (TBA)	43.1		"	50.0		86.3	25-162		10.8	30	
tert-Butylbenzene	7.57		"	10.0		75.7	77-138	Low Bias	5.15	30	
Tetrachloroethylene	8.36		"	10.0		83.6	82-131		1.43	30	
Toluene	9.78		"	10.0		97.8	80-127		1.42	30	
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132		3.72	30	
trans-1,3-Dichloropropylene	9.31		"	10.0		93.1	78-131		2.94	30	
Trichloroethylene	9.21		"	10.0		92.1	82-128		2.15	30	
Trichlorofluoromethane	10.5		"	10.0		105	67-139		7.09	30	
Vinyl acetate	11.7		"	10.0		117	21-90	High Bias	7.84	30	
Vinyl Chloride	8.63		"	10.0		86.3	58-145		39.2	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				

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 BB21678 - EPA 5030B											
LCS Dup (BB21678-BSD1) LCS Dup									Prepared & Analyzed: 02/09/2022		
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*ug/L*	*10.0*		*104*	*79-122*				

Semivolatile 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 BB21821 - EPA 3510C											
Blank (BB21821-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/14/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								

Semivolatile 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 BB21821 - EPA 3510C											
Blank (BB21821-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/14/2022		
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*18.6*		*"*	*50.0*		*37.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*11.5*		*"*	*50.0*		*23.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*21.6*		*"*	*25.0*		*86.5*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.8*		*"*	*25.0*		*75.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*45.3*		*"*	*50.0*		*90.6*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*22.6*		*"*	*25.0*		*90.3*	*30.7-106*				
Blank (BB21821-BLK2) Blank									Prepared: 02/11/2022 Analyzed: 02/15/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								

Semivolatile 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 BB21821 - EPA 3510C											
Blank (BB21821-BLK2) Blank									Prepared: 02/11/2022 Analyzed: 02/15/2022		
Benzo(a)pyrene	ND	0.0500	ug/L								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile 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 BB21821 - EPA 3510C											
LCS (BB21821-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,1-Biphenyl	19.6	5.00	ug/L	25.0		78.6	33-95				
1,2,4,5-Tetrachlorobenzene	21.0	5.00	"	25.0		83.9	26-120				
1,2,4-Trichlorobenzene	18.4	5.00	"	25.0		73.6	20-118				
1,2-Dichlorobenzene	16.9	5.00	"	25.0		67.7	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	15.4	5.00	"	25.0		61.8	16-141				
1,3-Dichlorobenzene	16.1	5.00	"	25.0		64.5	23-117				
1,4-Dichlorobenzene	15.1	5.00	"	25.0		60.4	30-105				
2,3,4,6-Tetrachlorophenol	18.0	5.00	"	25.0		72.1	30-130				
2,4,5-Trichlorophenol	18.4	5.00	"	25.0		73.7	32-114				
2,4,6-Trichlorophenol	20.4	5.00	"	25.0		81.7	35-118				
2,4-Dichlorophenol	19.9	5.00	"	25.0		79.7	25-116				
2,4-Dimethylphenol	13.7	5.00	"	25.0		54.8	15-116				
2,4-Dinitrophenol	14.7	5.00	"	25.0		59.0	10-170				
2,4-Dinitrotoluene	20.3	5.00	"	25.0		81.1	41-128				
2,6-Dinitrotoluene	20.2	5.00	"	25.0		80.8	45-116				
2-Chloronaphthalene	17.2	5.00	"	25.0		68.8	33-112				
2-Chlorophenol	16.7	5.00	"	25.0		66.7	15-120				
2-Methylnaphthalene	18.5	5.00	"	25.0		73.8	24-118				
2-Methylphenol	14.5	5.00	"	25.0		58.1	10-110				
2-Nitroaniline	21.4	5.00	"	25.0		85.5	34-129				
2-Nitrophenol	18.3	5.00	"	25.0		73.1	28-118				
3- & 4-Methylphenols	10.8	5.00	"	25.0		43.1	10-107				
3,3-Dichlorobenzidine	13.1	5.00	"	25.0		52.5	15-187				
3-Nitroaniline	19.8	5.00	"	25.0		79.4	24-134				
4,6-Dinitro-2-methylphenol	16.2	5.00	"	25.0		64.8	10-153				
4-Bromophenyl phenyl ether	18.9	5.00	"	25.0		75.6	34-120				
4-Chloro-3-methylphenol	20.2	5.00	"	25.0		80.8	20-120				
4-Chloroaniline	13.7	5.00	"	25.0		54.9	10-147				
4-Chlorophenyl phenyl ether	20.5	5.00	"	25.0		82.0	27-121				
4-Nitroaniline	17.2	5.00	"	25.0		68.9	13-134				
4-Nitrophenol	7.63	5.00	"	25.0		30.5	10-131				
Acetophenone	18.7	5.00	"	25.0		74.8	25-110				
Aniline	8.75	5.00	"	25.0		35.0	10-117				
Benzaldehyde	15.7	5.00	"	25.0		62.9	29-117				
Benzoic acid	5.84	5.00	"	25.0		23.4	30-130	Low Bias			
Benzyl alcohol	12.0	5.00	"	25.0		47.8	10-117				
Benzyl butyl phthalate	20.0	5.00	"	25.0		79.9	29-133				
Bis(2-chloroethoxy)methane	15.8	5.00	"	25.0		63.2	10-154				
Bis(2-chloroethyl)ether	13.3	5.00	"	25.0		53.0	17-125				
Bis(2-chloroisopropyl)ether	13.3	5.00	"	25.0		53.2	10-139				
Caprolactam	4.27	5.00	"	25.0		17.1	10-137				
Carbazole	18.5	5.00	"	25.0		73.9	42-126				
Dibenzofuran	20.1	5.00	"	25.0		80.3	36-113				
Diethyl phthalate	18.3	5.00	"	25.0		73.1	38-115				
Dimethyl phthalate	18.6	5.00	"	25.0		74.4	38-129				
Di-n-butyl phthalate	18.6	5.00	"	25.0		74.3	31-120				
Di-n-octyl phthalate	18.1	5.00	"	25.0		72.4	21-149				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	16.8	5.00	"	25.0		67.2	25-127				
N-nitroso-di-n-propylamine	15.5	5.00	"	25.0		61.9	26-122				
N-Nitrosodiphenylamine	21.6	5.00	"	25.0		86.5	23-149				

Semivolatile 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 BB21821 - EPA 3510C											
LCS (BB21821-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/14/2022			
Phenol	6.60	5.00	ug/L	25.0		26.4	10-110				
Pyridine	11.1	5.00	"	25.5		43.6	10-90				
Surrogate: SURR: 2-Fluorophenol	*16.8*		*"*	*50.0*		*33.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*11.1*		*"*	*50.0*		*22.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*17.3*		*"*	*25.0*		*69.0*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*17.2*		*"*	*25.0*		*68.9*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*43.0*		*"*	*50.0*		*86.1*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*20.3*		*"*	*25.0*		*81.0*	*30.7-106*				
LCS (BB21821-BS2) LCS								Prepared: 02/11/2022 Analyzed: 02/15/2022			
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.890	0.0500	"	1.00		89.0	25-116				
Acenaphthylene	0.890	0.0500	"	1.00		89.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.900	0.0500	"	1.00		90.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.980	0.0500	"	1.00		98.0	33-125				
Benzo(a)pyrene	1.15	0.0500	"	1.00		115	32-132				
Benzo(b)fluoranthene	1.24	0.0500	"	1.00		124	22-137				
Benzo(g,h,i)perylene	1.44	0.0500	"	1.00		144	10-138	High Bias			

Semivolatile 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 BB21821 - EPA 3510C											
LCS (BB21821-BS2) LCS								Prepared: 02/11/2022 Analyzed: 02/15/2022			
Benzo(k)fluoranthene	1.22	0.0500	ug/L	1.00		122	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	1.10	0.500	"	1.00		110	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	1.04	0.0500	"	1.00		104	32-124				
Dibenzo(a,h)anthracene	1.43	0.0500	"	1.00		143	16-133	High Bias			
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Fluoranthene	1.00	0.0500	"	1.00		100	32-121				
Fluorene	0.980	0.0500	"	1.00		98.0	28-118				
Hexachlorobenzene	0.990	0.0200	"	1.00		99.0	23-124				
Hexachlorobutadiene	1.26	0.500	"	1.00		126	15-123	High Bias			
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.900	0.500	"	1.00		90.0	18-115				
Indeno(1,2,3-cd)pyrene	1.31	0.0500	"	1.00		131	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.880	0.0500	"	1.00		88.0	18-120				
Nitrobenzene	0.760	0.250	"	1.00		76.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.44	0.250	"	1.00		144	10-156				
Phenanthrene	0.980	0.0500	"	1.00		98.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.940	0.0500	"	1.00		94.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BB21707 - EPA 3535A											
Blank (BB21707-BLK1) Blank								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
LCS (BB21707-BS1) LCS								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,4-Dioxane	4.19	0.300	ug/L	4.00		105	50-130				
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
Matrix Spike (BB21707-MS1) Matrix Spike *Source sample: 22B0396-01 (Matrix Spike)								Prepared: 02/10/2022 Analyzed: 02/14/2022			
1,4-Dioxane	4.16	0.300	ug/L	4.00	ND	104	50-130				
Surrogate: 1,4-Dioxane-d8	*3.84*		*"*	*4.00*		*96.0*	*50-130*				
Matrix Spike Dup (BB21707-M Matrix Spike Dup *Source sample: 22B0396-01 (Matrix Spike Dup)								Prepared: 02/10/2022 Analyzed: 02/14/2022			
1,4-Dioxane	4.19	0.300	ug/L	4.00	ND	105	50-130		0.766	30	
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*50-130*				
Batch BB21933 - EPA 3535A											
Blank (BB21933-BLK1) Blank								Prepared & Analyzed: 02/15/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*4.00*		*"*	*4.00*		*100*	*36.6-118*				
LCS (BB21933-BS1) LCS								Prepared & Analyzed: 02/15/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
Surrogate: 1,4-Dioxane-d8	*4.32*		*"*	*4.00*		*108*	*36.6-118*				
Matrix Spike (BB21933-MS1) Matrix Spike *Source sample: 22B0506-03 (Matrix Spike)								Prepared & Analyzed: 02/15/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00	ND	100	50-130				
Surrogate: 1,4-Dioxane-d8	*4.00*		*"*	*4.00*		*100*	*50-130*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BB21933 - EPA 3535A											
Matrix Spike Dup (BB21933-M Matrix Spike Dup	*Source sample: 22B0506-03 (Matrix Spike Dup)							Prepared & Analyzed: 02/15/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00	ND	100	50-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*4.00*		"	*4.00*		*100*	*50-130*				
Batch BB22025 - EPA 3535A											
Blank (BB22025-BLK1) Blank								Prepared: 02/16/2022 Analyzed: 02/17/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.52*		"	*4.00*		*88.0*	*36.6-118*				
LCS (BB22025-BS1) LCS								Prepared: 02/16/2022 Analyzed: 02/17/2022			
1,4-Dioxane	4.19	0.300	ug/L	4.00		105	50-130				
Surrogate: 1,4-Dioxane-d8	*3.36*		"	*4.00*		*84.0*	*36.6-118*				
LCS Dup (BB22025-BSD1) LCS Dup								Prepared: 02/16/2022 Analyzed: 02/17/2022			
1,4-Dioxane	3.81	0.300	ug/L	4.00		95.2	50-130		9.60	30	
Surrogate: 1,4-Dioxane-d8	*3.20*		"	*4.00*		*80.0*	*36.6-118*				

PFAS Target compounds by LC/MS-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 BB21642 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21642-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*51.3*		"	*74.3*		*69.1*	*25-150*				
Surrogate: M5PFHxA	*70.4*		"	*80.0*		*88.0*	*25-150*				
Surrogate: M4PFHpA	*61.4*		"	*80.0*		*76.7*	*25-150*				
Surrogate: M3PFHxS	*72.7*		"	*75.7*		*96.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: M6PFDA	*68.8*		"	*80.0*		*85.9*	*25-150*				
Surrogate: M7PFUdA	*74.9*		"	*80.0*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.5*		"	*80.0*		*89.3*	*25-150*				
Surrogate: M2PFTeDA	*57.9*		"	*80.0*		*72.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.7*		"	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*72.3*		"	*76.6*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.8*		"	*80.0*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.1*		"	*80.0*		*40.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.9*		"	*80.0*		*81.1*	*25-150*				
Surrogate: M2-6:2 FTS	*61.7*		"	*75.9*		*81.2*	*25-200*				
Surrogate: M2-8:2 FTS	*59.5*		"	*76.6*		*77.7*	*25-200*				
Surrogate: M9PFNA	*73.7*		"	*80.0*		*92.1*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21642 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21642-BS1) LCS							Prepared & Analyzed: 02/09/2022				
Perfluorobutanesulfonic acid (PFBS)	69.2	2.00	ng/L	70.8		97.8	50-130				
Perfluorohexanoic acid (PFHxA)	72.3	2.00	"	80.0		90.4	50-130				
Perfluoroheptanoic acid (PFHpA)	80.2	2.00	"	80.0		100	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.9	2.00	"	72.8		87.8	50-130				
Perfluorooctanoic acid (PFOA)	68.4	2.00	"	80.0		85.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	82.9	2.00	"	74.0		112	50-130				
Perfluorononanoic acid (PFNA)	68.4	2.00	"	80.0		85.4	50-130				
Perfluorodecanoic acid (PFDA)	103	2.00	"	80.0		129	50-130				
Perfluoroundecanoic acid (PFUnA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorododecanoic acid (PFDoA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	68.9	2.00	"	80.0		86.1	50-130				
Perfluorotetradecanoic acid (PFTA)	77.0	2.00	"	80.0		96.2	50-130				
N-MeFOSAA	71.0	2.00	"	80.0		88.7	50-130				
N-EtFOSAA	85.7	2.00	"	80.0		107	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	71.8	2.00	"	80.0		89.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.5	2.00	"	76.4		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	75.3	2.00	"	77.2		97.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	60.3	5.00	"	76.0		79.3	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.9	2.00	"	76.8		89.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	75.0	2.00	"	80.0		93.8	50-130				
Surrogate: M3PFBS	*68.1*		*"*	*74.3*		*91.6*	*25-150*				
Surrogate: M5PFHxA	*76.5*		*"*	*80.0*		*95.6*	*25-150*				
Surrogate: M4PFHpA	*66.7*		*"*	*80.0*		*83.4*	*25-150*				
Surrogate: M3PFHxS	*74.4*		*"*	*75.7*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.5*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*54.5*		*"*	*80.0*		*68.2*	*25-150*				
Surrogate: M7PFUdA	*85.5*		*"*	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.3*		*"*	*80.0*		*103*	*25-150*				
Surrogate: M2PFTeDA	*64.3*		*"*	*80.0*		*80.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.1*		*"*	*80.0*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.1*		*"*	*76.6*		*96.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.7*		*"*	*80.0*		*90.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.3*		*"*	*80.0*		*87.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*88.7*		*"*	*80.0*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*94.9*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M2-6:2 FTS	*79.4*		*"*	*75.9*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*79.7*		*"*	*76.6*		*104*	*25-200*				
Surrogate: M9PFNA	*79.3*		*"*	*80.0*		*99.2*	*25-150*				

PFAS Target compounds by LC/MS-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 BB21642 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21642-BSD1) LCS Dup							Prepared & Analyzed: 02/09/2022				
Perfluorobutanesulfonic acid (PFBS)	73.9	2.00	ng/L	70.8		104	50-130		6.50	30	
Perfluorohexanoic acid (PFHxA)	77.4	2.00	"	80.0		96.7	50-130		6.81	30	
Perfluoroheptanoic acid (PFHpA)	82.9	2.00	"	80.0		104	50-130		3.25	30	
Perfluorohexanesulfonic acid (PFHxS)	69.1	2.00	"	72.8		94.9	50-130		7.75	30	
Perfluorooctanoic acid (PFOA)	68.9	2.00	"	80.0		86.2	50-130		0.834	30	
Perfluorooctanesulfonic acid (PFOS)	87.3	2.00	"	74.0		118	50-130		5.19	30	
Perfluorononanoic acid (PFNA)	73.5	2.00	"	80.0		91.9	50-130		7.24	30	
Perfluorodecanoic acid (PFDA)	72.4	2.00	"	80.0		90.5	50-130		35.2	30	Non-dir.
Perfluoroundecanoic acid (PFUnA)	90.8	2.00	"	80.0		114	50-130		16.3	30	
Perfluorododecanoic acid (PFDoA)	76.3	2.00	"	80.0		95.4	50-130		4.75	30	
Perfluorotridecanoic acid (PFTrDA)	71.9	2.00	"	80.0		89.8	50-130		4.24	30	
Perfluorotetradecanoic acid (PFTA)	80.7	2.00	"	80.0		101	50-130		4.67	30	
N-MeFOSAA	77.7	2.00	"	80.0		97.2	50-130		9.13	30	
N-EtFOSAA	89.8	2.00	"	80.0		112	50-130		4.68	30	
Perfluoropentanoic acid (PFPeA)	82.8	2.00	"	80.0		103	50-130		4.90	30	
Perfluoro-1-octanesulfonamide (FOSA)	80.2	2.00	"	80.0		100	50-130		11.1	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.6	2.00	"	76.4		103	50-130		0.0368	30	
Perfluoro-1-decanesulfonic acid (PFDS)	59.2	2.00	"	77.2		76.7	50-130		23.9	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.2	5.00	"	76.0		100	50-175		23.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	86.4	2.00	"	76.8		112	50-175		22.4	30	
Perfluoro-n-butanoic acid (PFBA)	80.4	2.00	"	80.0		101	50-130		6.92	30	
Surrogate: M3PFBS	*63.2*		*"*	*74.3*		*85.1*	*25-150*				
Surrogate: M5PFHxA	*68.9*		*"*	*80.0*		*86.1*	*25-150*				
Surrogate: M4PFHpA	*63.4*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: M3PFHxS	*72.6*		*"*	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.6*		*"*	*80.0*		*94.6*	*25-150*				
Surrogate: M6PFDA	*78.7*		*"*	*80.0*		*98.3*	*25-150*				
Surrogate: M7PFUdA	*67.5*		*"*	*80.0*		*84.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.6*		*"*	*80.0*		*80.8*	*25-150*				
Surrogate: M2PFTeDA	*52.8*		*"*	*80.0*		*66.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.3*		*"*	*80.0*		*84.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.8*		*"*	*76.6*		*92.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.8*		*"*	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.5*		*"*	*80.0*		*24.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.8*		*"*	*80.0*		*79.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.8*		*"*	*80.0*		*78.5*	*25-150*				
Surrogate: M2-6:2 FTS	*62.6*		*"*	*75.9*		*82.5*	*25-200*				
Surrogate: M2-8:2 FTS	*64.5*		*"*	*76.6*		*84.1*	*25-200*				
Surrogate: M9PFNA	*73.8*		*"*	*80.0*		*92.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21654 - EPA SW846-3510C Low Level											
Blank (BB21654-BLK1) Blank									Prepared: 02/09/2022 Analyzed: 02/13/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	*0.140*		*"*	*0.200*		*70.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.115*		*"*	*0.200*		*57.3*	*30-150*				
LCS (BB21654-BS1) LCS									Prepared: 02/09/2022 Analyzed: 02/13/2022		
4,4'-DDD	0.0806	0.00400	ug/L	0.100		80.6	40-140				
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140				
4,4'-DDT	0.101	0.00400	"	0.100		101	40-140				
Aldrin	0.0893	0.00400	"	0.100		89.3	40-140				
alpha-BHC	0.0839	0.00400	"	0.100		83.9	40-140				
alpha-Chlordane	0.0963	0.00400	"	0.100		96.3	40-140				
beta-BHC	0.0783	0.00400	"	0.100		78.3	40-140				
delta-BHC	0.0853	0.00400	"	0.100		85.3	40-140				
Dieldrin	0.100	0.00200	"	0.100		100	40-140				
Endosulfan I	0.0950	0.00400	"	0.100		95.0	40-140				
Endosulfan II	0.0932	0.00400	"	0.100		93.2	40-140				
Endosulfan sulfate	0.0834	0.00400	"	0.100		83.4	40-140				
Endrin	0.106	0.00400	"	0.100		106	40-140				
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140				
Endrin ketone	0.102	0.0100	"	0.100		102	40-140				
gamma-BHC (Lindane)	0.0857	0.00400	"	0.100		85.7	40-140				
gamma-Chlordane	0.0965	0.0100	"	0.100		96.5	40-140				
Heptachlor	0.0842	0.00400	"	0.100		84.2	40-140				
Heptachlor epoxide	0.0961	0.00400	"	0.100		96.1	40-140				
Methoxychlor	0.119	0.00400	"	0.100		119	40-140				
Surrogate: Decachlorobiphenyl	*0.131*		*"*	*0.200*		*65.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.105*		*"*	*0.200*		*52.5*	*30-150*				

Organochlorine Pesticides by GC/ECD - 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 BB21654 - EPA SW846-3510C Low Level											
LCS Dup (BB21654-BSD1) LCS Dup								Prepared: 02/09/2022 Analyzed: 02/13/2022			
4,4'-DDD	0.0841	0.00400	ug/L	0.100		84.1	40-140		4.25	20	
4,4'-DDE	0.106	0.00400	"	0.100		106	40-140		3.70	20	
4,4'-DDT	0.103	0.00400	"	0.100		103	40-140		2.08	20	
Aldrin	0.0915	0.00400	"	0.100		91.5	40-140		2.51	20	
alpha-BHC	0.0880	0.00400	"	0.100		88.0	40-140		4.73	20	
alpha-Chlordane	0.0974	0.00400	"	0.100		97.4	40-140		1.16	20	
beta-BHC	0.0818	0.00400	"	0.100		81.8	40-140		4.44	20	
delta-BHC	0.0888	0.00400	"	0.100		88.8	40-140		4.04	20	
Dieldrin	0.103	0.00200	"	0.100		103	40-140		2.30	20	
Endosulfan I	0.0972	0.00400	"	0.100		97.2	40-140		2.29	20	
Endosulfan II	0.0967	0.00400	"	0.100		96.7	40-140		3.76	20	
Endosulfan sulfate	0.0861	0.00400	"	0.100		86.1	40-140		3.20	20	
Endrin	0.108	0.00400	"	0.100		108	40-140		1.83	20	
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140		0.140	20	
Endrin ketone	0.107	0.0100	"	0.100		107	40-140		5.62	20	
gamma-BHC (Lindane)	0.0896	0.00400	"	0.100		89.6	40-140		4.39	20	
gamma-Chlordane	0.0981	0.0100	"	0.100		98.1	40-140		1.66	20	
Heptachlor	0.0840	0.00400	"	0.100		84.0	40-140		0.213	20	
Heptachlor epoxide	0.0983	0.00400	"	0.100		98.3	40-140		2.29	20	
Methoxychlor	0.122	0.00400	"	0.100		122	40-140		2.78	20	
Surrogate: Decachlorobiphenyl	*0.138*		*"*	*0.200*		*69.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.113*		*"*	*0.200*		*56.6*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - 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 BB21654 - EPA SW846-3510C Low Level											
Blank (BB21654-BLK2) Blank									Prepared: 02/09/2022 Analyzed: 02/10/2022		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.142*		*"*	*0.200*		*71.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.114*		*"*	*0.200*		*57.0*	*30-120*				
LCS (BB21654-BS2) LCS									Prepared: 02/09/2022 Analyzed: 02/10/2022		
Aroclor 1016	1.01	0.0500	ug/L	1.00		101	40-120				
Aroclor 1260	0.951	0.0500	"	1.00		95.1	40-120				
Surrogate: Tetrachloro-m-xylene	*0.142*		*"*	*0.200*		*71.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.108*		*"*	*0.200*		*54.0*	*30-120*				
LCS Dup (BB21654-BSD2) LCS Dup									Prepared: 02/09/2022 Analyzed: 02/10/2022		
Aroclor 1016	0.964	0.0500	ug/L	1.00		96.4	40-120		4.64	30	
Aroclor 1260	0.888	0.0500	"	1.00		88.8	40-120		6.85	30	
Surrogate: Tetrachloro-m-xylene	*0.137*		*"*	*0.200*		*68.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.107*		*"*	*0.200*		*53.5*	*30-120*				

Chlorinated Herbicides by GC/ECD - 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 BB21643 - EPA 8151A											
Blank (BB21643-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*88.5*		*"*	*125*		*70.8*	*30-150*				
LCS (BB21643-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	18.5	5.00	ug/L	40.0		46.2	10-140				
2,4,5-TP (Silvex)	21.2	5.00	"	40.0		53.1	10-139				
2,4-D	20.5	5.00	"	40.0		51.2	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*78.8*		*"*	*125*		*63.0*	*30-150*				

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 BB21742 - EPA 3015A											
Blank (BB21742-BLK1) Blank											Prepared & Analyzed: 02/10/2022
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BB21742-BS1) LCS											Prepared & Analyzed: 02/10/2022
Aluminum	1.93		ug/mL	2.00		96.5	80-120				
Barium	2.02		"	2.00		101	80-120				
Calcium	0.968		"	1.00		96.8	80-120				
Chromium	0.197		"	0.200		98.6	80-120				
Cobalt	0.507		"	0.500		101	80-120				
Copper	0.259		"	0.250		104	80-120				
Iron	1.20		"	1.00		120	80-120				
Lead	0.523		"	0.500		105	80-120				
Magnesium	0.959		"	1.00		95.9	80-120				
Manganese	0.505		"	0.500		101	80-120				
Nickel	0.493		"	0.500		98.6	80-120				
Potassium	0.871		"	1.00		87.1	80-120				
Silver	0.0506		"	0.0500		101	80-120				
Sodium	1.00		"	1.00		100	80-120				
Vanadium	0.493		"	0.500		98.6	80-120				
Zinc	0.470		"	0.500		94.1	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 BB21742 - EPA 3015A											
Duplicate (BB21742-DUP1) Duplicate	*Source sample: 22B0396-01 (Duplicate)								Prepared & Analyzed: 02/10/2022		
Aluminum	6.01	0.0556	mg/L		5.52				8.52	20	
Barium	0.326	0.0278	"		0.312				4.31	20	
Calcium	149	0.0556	"		146				1.80	20	
Chromium	0.0157	0.00556	"		0.0168				6.66	20	
Cobalt	0.00612	0.00444	"		0.00536				13.3	20	
Copper	0.211	0.0222	"		0.204				3.41	20	
Iron	19.8	0.278	"		19.9				0.686	20	
Lead	0.268	0.00556	"		0.262				2.03	20	
Magnesium	15.8	0.0556	"		15.5				1.82	20	
Manganese	0.903	0.00556	"		0.868				3.99	20	
Nickel	ND	0.0111	"		ND					20	
Potassium	27.4	0.0556	"		27.0				1.64	20	
Silver	ND	0.00556	"		ND					20	
Sodium	172	0.556	"		170				1.53	20	
Vanadium	0.0191	0.0111	"		0.0200				4.79	20	
Zinc	0.573	0.0278	"		0.531				7.48	20	
Matrix Spike (BB21742-MS1) Matrix Spike	*Source sample: 22B0396-01 (Matrix Spike)								Prepared & Analyzed: 02/10/2022		
Aluminum	7.88	0.0556	mg/L	2.22	5.52	106	75-125				
Barium	2.91	0.0278	"	2.22	0.312	117	75-125				
Calcium	145	0.0556	"	1.11	146	NR	75-125	Low Bias			
Chromium	0.272	0.00556	"	0.222	0.0168	115	75-125				
Cobalt	0.654	0.00444	"	0.556	0.00536	117	75-125				
Copper	0.567	0.0222	"	0.278	0.204	131	75-125	High Bias			
Iron	20.2	0.278	"	1.11	19.9	29.6	75-125	Low Bias			
Lead	0.935	0.00556	"	0.556	0.262	121	75-125				
Magnesium	16.2	0.0556	"	1.11	15.5	57.5	75-125	Low Bias			
Manganese	1.61	0.00556	"	0.556	0.868	134	75-125	High Bias			
Nickel	0.655	0.0111	"	0.556	ND	118	75-125				
Potassium	27.7	0.0556	"	1.11	27.0	64.9	75-125	Low Bias			
Silver	0.0621	0.00556	"	0.0556	ND	112	75-125				
Sodium	167	0.556	"	1.11	170	NR	75-125	Low Bias			
Vanadium	0.664	0.0111	"	0.556	0.0200	116	75-125				
Zinc	1.22	0.0278	"	0.556	0.531	124	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 BB21742 - EPA 3015A											
Post Spike (BB21742-PS1) Post Spike	*Source sample: 22B0396-01 (Post Spike)							Prepared & Analyzed: 02/10/2022			
Aluminum	7.32		ug/mL	2.00	4.97	118	75-125				
Barium	2.62		"	2.00	0.281	117	75-125				
Calcium	130		"	1.00	131	NR	75-125	Low Bias			
Chromium	0.244		"	0.200	0.0151	114	75-125				
Cobalt	0.588		"	0.500	0.00482	117	75-125				
Copper	0.513		"	0.250	0.183	132	75-125	High Bias			
Iron	19.0		"	1.00	17.9	106	75-125				
Lead	0.866		"	0.500	0.236	126	75-125	High Bias			
Magnesium	15.0		"	1.00	14.0	98.7	75-125				
Manganese	1.43		"	0.500	0.781	130	75-125	High Bias			
Nickel	0.609		"	0.500	-0.00412	122	75-125				
Potassium	25.1		"	1.00	24.3	84.4	75-125				
Silver	0.0433		"	0.0500	0.000248	86.2	75-125				
Sodium	150		"	1.00	153	NR	75-125	Low Bias			
Vanadium	0.600		"	0.500	0.0180	116	75-125				
Zinc	1.10		"	0.500	0.478	125	75-125				

Metals by ICP/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 BB21916 - EPA 3015A											
Blank (BB21916-BLK1) Blank								Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BB21916-BS1) LCS								Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	45.2		ug/L	50.0		90.4	80-120				
Arsenic	46.7		"	50.0		93.5	80-120				
Beryllium	45.0		"	50.0		90.1	80-120				
Cadmium	46.8		"	50.0		93.6	80-120				
Selenium	38.9		"	50.0		77.7	80-120	Low Bias			
Thallium	47.1		"	50.0		94.2	80-120				
Duplicate (BB21916-DUP1) Duplicate	*Source sample: 22B0396-01 (Duplicate)							Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00145	0.00111	"		0.00788				138	20	Non-dir.
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		0.00133					20	
Selenium	0.0610	0.00111	"		0.00870				150	20	Non-dir.
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BB21916-MS1) Matrix Spike	*Source sample: 22B0396-01 (Matrix Spike)							Prepared: 02/14/2022 Analyzed: 02/15/2022			
Antimony	47.0		ug/L	50.0	0.376	93.2	75-125				
Arsenic	58.5		"	50.0	7.09	103	75-125				
Beryllium	23.4		"	50.0	0.088	46.6	75-125	Low Bias			
Cadmium	43.8		"	50.0	1.20	85.2	75-125				
Selenium	51.0		"	50.0	7.83	86.4	75-125				
Thallium	40.6		"	50.0	0.024	81.2	75-125				

Mercury by EPA 7000/200 Series Methods - 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 BB21696 - EPA SW846-7470A											
Blank (BB21696-BLK1) Blank								Prepared & Analyzed: 02/09/2022			
Mercury	ND	0.0002	mg/L								
LCS (BB21696-BS1) LCS								Prepared & Analyzed: 02/09/2022			
Mercury	0.0021055	0.0002	mg/L	0.00200		105	80-120				
LCS (BB21696-BS2) LCS								Prepared & Analyzed: 02/09/2022			
Mercury	0.0020078	0.0002	mg/L	0.00200		100	80-120				

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 BB21622 - Analysis Preparation												
Blank (BB21622-BLK1)	Blank								Prepared & Analyzed: 02/08/2022			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BB21622-BS1)	LCS								Prepared & Analyzed: 02/08/2022			
Chromium, Hexavalent		0.524	0.0100	mg/L	0.500		105	80-120				
Duplicate (BB21622-DUP1)	Duplicate	*Source sample: 22B0319-04 (Duplicate)							Prepared & Analyzed: 02/08/2022			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BB21622-MS1)	Matrix Spike	*Source sample: 22B0319-04 (Matrix Spike)							Prepared & Analyzed: 02/08/2022			
Chromium, Hexavalent		0.511	0.0100	mg/L	0.500	ND	102	75-125				
Batch BB21760 - Analysis Preparation												
Blank (BB21760-BLK1)	Blank								Prepared & Analyzed: 02/10/2022			
Cyanide, total		ND	0.0100	mg/L								
LCS (BB21760-BS1)	LCS								Prepared & Analyzed: 02/10/2022			
Cyanide, total		0.216	0.0100	mg/L	0.200		108	80-120				
Duplicate (BB21760-DUP1)	Duplicate	*Source sample: 22B0379-01 (Duplicate)							Prepared & Analyzed: 02/10/2022			
Cyanide, total		0.0511	0.0100	mg/L		0.0479				6.39	15	
Matrix Spike (BB21760-MS1)	Matrix Spike	*Source sample: 22B0379-01 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Cyanide, total		0.291	0.0100	mg/L	0.200	0.0479	122	79-105	High Bias			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0357-02	039_TB-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0357-03	040_LMW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0357-04	041_LMW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of 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.
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.
CCV-E	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).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

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. 22B0357

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:	100964201	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 213 Meadow Street	RUSH - Two Day
Phone.: 973 560 4900	Phone.:	Phone.:		RUSH - Three Day
Contact:	Contact: Molly Mattern	Contact:		RUSH - Four Day
E-mail: mmattern@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.

Morgan McBride

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 Deliverables | NYSDEC EQuIS
NY ASP B Package | 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
038-EB-5	AQ	2/8/22 0900	1,4-dioxane, PFAS	M
039-TB-4	↓	—	VOCs	M
040-LMW-4	GW	2/8/22 0950	VOCs, SVOCs, pesticides, PCBs, herbicides, total TAL metals, cyanide, trivalent and hexavalent chromium, 1,4-dioxane, PFAS	M
041-LMW-3	GW	2/8/22 1500	←	M

Comments: *5-day TAT, except PFAS with Standard 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
Morgan McBride/Langan	2/8/22 1545	Andrew S. York	2/8/22 1545	Andrew S. York	2/8/22 1759
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Nael N York Labs	2/8/22 1759	Nael N York Labs	2/8/22 2017		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlock	2/8/22 2017 / 3.7 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/15/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0358

Report Date: 02/15/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0358

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

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 09, 2022 and listed below. The project was identified as your project: **100964201**.

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
22B0358-01	042_LSV-4	Soil Vapor	02/08/2022	02/09/2022
22B0358-02	043_DUP-3	Soil Vapor	02/08/2022	02/09/2022
22B0358-03	045_LSV-2	Soil Vapor	02/08/2022	02/09/2022
22B0358-04	046_LSV-3	Soil Vapor	02/08/2022	02/09/2022

General Notes for York Project (SDG) No.: 22B0358

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:** 02/15/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 042_LSV-4 **York Sample ID:** 22B0358-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:00 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	3.55	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.82	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.55	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	3.96	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.82	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	2.09	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.03	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	3.84	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**2.54**		ug/m³	2.54	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	3.97	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.11	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.09	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.39	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.62	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	2.54	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	3.43	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.11	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.39	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.11	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	3.73	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**8.08**		ug/m³	1.53	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 042_LSV-4 **York Sample ID:** 22B0358-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:00 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	4.24	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	8.09	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	2.12	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**33.3**		ug/m³	2.46	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	1.12	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	1.65	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	2.68	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	3.46	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	5.35	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	2.01	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**6.28**		ug/m³	1.61	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.813	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	2.38	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	1.36	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	2.53	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	1.07	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.03	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.35	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**9.26**		ug/m³	1.78	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	4.41	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**36.8**		ug/m³	2.56	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	3.73	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			

Sample Information

Client Sample ID: 042_LSV-4 **York Sample ID:** 22B0358-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:00 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**3.59**		ug/m³	2.25	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.52	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	ND		ug/m³	2.54	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	2.12	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**7.09**		ug/m³	1.86	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	3.59	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**400**		ug/m³	2.12	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**707**		ug/m³	1.82	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	2.25	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m³	4.49	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	2.54	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.890	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			
100-42-5	Styrene	ND		ug/m³	2.20	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	3.51	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.05	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:			
108-88-3	Toluene	ND		ug/m³	1.95	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.05	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.35	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.695	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	2.91	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	1.82	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	2.26	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 042_LSV-4 **York Sample ID:** 22B0358-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:00 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.661	5.172	EPA TO-15	02/14/2022 12:00	02/14/2022 22:39	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 043_DUP-3 **York Sample ID:** 22B0358-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:05 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	3.68	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.93	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.68	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	4.11	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.93	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	**1,1-Dichloroethane**	**21.7**		ug/m³	2.17	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.06	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	3.98	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.64	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	4.12	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.22	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.17	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.48	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.75	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	2.64	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	3.56	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.22	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.48	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.22	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	3.87	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**7.75**		ug/m³	1.58	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	4.39	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			

Sample Information

Client Sample ID: 043_DUP-3 **York Sample ID:** 22B0358-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:05 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	8.39	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	2.20	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**32.2**		ug/m³	2.55	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	1.16	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	1.71	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	2.78	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	3.59	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	5.54	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	2.08	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**6.51**		ug/m³	1.67	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.844	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	2.47	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	1.42	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	2.62	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	1.11	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.06	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.43	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**8.49**		ug/m³	1.85	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	4.57	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.65	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	3.87	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.26**		ug/m³	2.33	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 043_DUP-3 **York Sample ID:** 22B0358-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:05 am	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.72	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	ND		ug/m³	2.64	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	2.20	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.93	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**4.47**		ug/m³	3.73	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**372**		ug/m³	2.20	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**653**		ug/m³	1.89	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	2.33	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m³	4.66	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	2.64	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.923	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			
100-42-5	Styrene	ND		ug/m³	2.28	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	3.64	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.16	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:			
108-88-3	**Toluene**	**2.43**		ug/m³	2.02	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.13	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.43	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.721	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	3.01	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	1.89	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	2.35	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.686	5.364	EPA TO-15	02/14/2022 12:00	02/15/2022 07:16	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **043_DUP-3** **York Sample ID:** **22B0358-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 11:05 am	02/09/2022

Sample Information

Client Sample ID: 045_LSV-2 **York Sample ID:** 22B0358-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 12:35 pm	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	3.75	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.98	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.75	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	4.18	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.98	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	2.21	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.08	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	4.05	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**8.31**		ug/m³	2.68	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	4.19	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.28	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.21	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.52	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.81	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**4.29**		ug/m³	2.68	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	3.62	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.28	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.52	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.28	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	3.93	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**5.15**		ug/m³	1.61	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	4.47	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			

Sample Information

Client Sample ID: 045_LSV-2 **York Sample ID:** 22B0358-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 12:35 pm	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	8.54	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	2.24	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**12.7**		ug/m³	2.59	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	1.18	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	1.74	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	2.82	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	3.66	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	5.64	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	2.12	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**31.3**		ug/m³	1.70	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.858	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	2.51	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	1.44	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	2.66	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	1.13	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.08	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.48	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**468**		ug/m³	1.88	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	4.65	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.70	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	3.93	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			
100-41-4	**Ethyl Benzene**	**6.16**		ug/m³	2.37	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 045_LSV-2 **York Sample ID:** 22B0358-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 12:35 pm	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.82	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	ND		ug/m³	2.68	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	2.23	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.97	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	3.79	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	2.24	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**74.2**		ug/m³	1.92	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**4.50**		ug/m³	2.37	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**7.58**		ug/m³	4.74	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**6.44**		ug/m³	2.68	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.939	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			
100-42-5	Styrene	ND		ug/m³	2.32	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	3.70	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.22	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:			
108-88-3	**Toluene**	**5.96**		ug/m³	2.06	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.16	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.48	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.733	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	3.07	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	1.92	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	2.39	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.697	5.456	EPA TO-15	02/14/2022 12:00	02/15/2022 00:15	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **045_LSV-2** **York Sample ID:** **22B0358-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 12:35 pm	02/09/2022

Sample Information

Client Sample ID: 046_LSV-3 **York Sample ID:** 22B0358-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 1:00 pm	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND	IS-HI	ug/m³	4.71	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/m³	3.75	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-HI	ug/m³	4.71	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/m³	5.26	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND	IS-HI	ug/m³	3.75	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/m³	2.78	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND	IS-HI	ug/m³	1.36	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND	IS-HI	ug/m³	5.09	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**5.06**	IS-HI	ug/m³	3.37	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND	IS-HI	ug/m³	5.27	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	**1,2-Dichlorobenzene**	**6.60**	IS-HI	ug/m³	4.13	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/m³	2.78	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND	IS-HI	ug/m³	3.17	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-HI	ug/m³	4.80	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND	IS-HI	ug/m³	3.37	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND	IS-HI	ug/m³	4.56	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND	IS-HI	ug/m³	4.13	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND	IS-HI	ug/m³	3.17	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			
106-46-7	**1,4-Dichlorobenzene**	**28.9**	IS-HI	ug/m³	4.13	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND	IS-HI	ug/m³	4.95	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**2.63**	IS-HI	ug/m³	2.02	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND	IS-HI	ug/m³	5.62	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			

Sample Information

Client Sample ID: 046_LSV-3 **York Sample ID:** 22B0358-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 1:00 pm	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND	IS-HI	ug/m³	10.7	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND	IS-HI	ug/m³	2.81	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**12.7**	IS-HI	ug/m³	3.26	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND	IS-HI	ug/m³	1.49	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**3.07**	IS-HI	ug/m³	2.19	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND	IS-HI	ug/m³	3.55	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND	IS-HI	ug/m³	4.60	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND	IS-HI	ug/m³	7.10	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND	IS-HI	ug/m³	2.67	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**2.35**	IS-HI	ug/m³	2.14	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/m³	1.08	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND	IS-HI	ug/m³	3.16	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND	IS-HI	ug/m³	1.81	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND	IS-HI	ug/m³	3.35	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND	IS-HI	ug/m³	1.42	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/m³	1.36	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND	IS-HI	ug/m³	3.12	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**244**	IS-HI	ug/m³	2.36	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND	IS-HI	ug/m³	5.85	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/m³	3.39	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND	IS-HI	ug/m³	4.95	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			
100-41-4	**Ethyl Benzene**	**9.24**	IS-HI	ug/m³	2.98	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 046_LSV-3 **York Sample ID:** 22B0358-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 1:00 pm	02/09/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	IS-HI	ug/m³	7.32	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**12.8**	IS-HI	ug/m³	3.37	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND	IS-HI	ug/m³	2.81	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/m³	2.48	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**6.20**	IS-HI	ug/m³	4.77	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**81.3**	IS-HI	ug/m³	2.81	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**260**	IS-HI	ug/m³	2.42	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**3.28**	IS-HI	ug/m³	2.98	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**8.64**	IS-HI	ug/m³	5.96	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND	IS-HI	ug/m³	3.37	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			
115-07-1	* Propylene	ND	IS-HI	ug/m³	1.18	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			
100-42-5	Styrene	ND	IS-HI	ug/m³	2.92	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND	IS-HI	ug/m³	4.66	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND	IS-HI	ug/m³	4.05	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:			
108-88-3	**Toluene**	**8.02**	IS-HI	ug/m³	2.59	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/m³	2.72	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND	IS-HI	ug/m³	3.12	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND	IS-HI	ug/m³	0.922	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND	IS-HI	ug/m³	3.86	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND	IS-HI	ug/m³	2.42	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND	IS-HI	ug/m³	3.00	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND	IS-HI	ug/m³	0.877	6.865	EPA TO-15	02/14/2022 12:00	02/15/2022 01:03	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **046_LSV-3** **York Sample ID:** **22B0358-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0358	100964201	Soil Vapor	February 8, 2022 1:00 pm	02/09/2022

Analytical Batch Summary

Batch ID: BB21893 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22B0358-01	042_LSV-4	02/14/22
22B0358-02	043_DUP-3	02/14/22
22B0358-03	045_LSV-2	02/14/22
22B0358-04	046_LSV-3	02/14/22
BB21893-BLK1	Blank	02/14/22
BB21893-BS1	LCS	02/14/22

Volatile Organic Compounds in Air 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 BB21893 - EPA TO15 PREP											
Blank (BB21893-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								

Volatile Organic Compounds in Air 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 BB21893 - EPA TO15 PREP											
Blank (BB21893-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
n-Hexane	ND	0.352	ug/m³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
LCS (BB21893-BS1) LCS									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	9.81		ppbv	10.0		98.1	70-130				
1,1,1-Trichloroethane	10.6		"	10.0		106	70-130				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	11.0		"	10.0		110	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	11.8		"	10.0		118	70-130				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70-130				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	70-130				
1,2-Dibromoethane	10.0		"	10.0		100	70-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,2-Dichloroethane	10.5		"	10.0		105	70-130				
1,2-Dichloropropane	9.75		"	10.0		97.5	70-130				
1,2-Dichlorotetrafluoroethane	9.31		"	10.0		93.1	70-130				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	70-130				
1,3-Butadiene	9.85		"	10.0		98.5	70-130				
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,3-Dichloropropane	10.0		"	10.0		100	70-130				
1,4-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,4-Dioxane	9.94		"	10.0		99.4	70-130				
2-Butanone	10.1		"	10.0		101	70-130				
2-Hexanone	10.8		"	10.0		108	70-130				
3-Chloropropene	11.0		"	10.0		110	70-130				
4-Methyl-2-pentanone	10.4		"	10.0		104	70-130				
Acetone	9.09		"	10.0		90.9	70-130				
Acrylonitrile	10.6		"	10.0		106	70-130				
Benzene	9.63		"	10.0		96.3	70-130				
Benzyl chloride	9.50		"	10.0		95.0	70-130				
Bromodichloromethane	10.5		"	10.0		105	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	10.0		"	10.0		100	70-130				
Carbon disulfide	10.2		"	10.0		102	70-130				
Carbon tetrachloride	12.8		"	10.0		128	70-130				

Volatile Organic Compounds in Air 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 BB21893 - EPA TO15 PREP											
LCS (BB21893-BS1) LCS							Prepared & Analyzed: 02/14/2022				
Chlorobenzene	9.48		ppbv	10.0		94.8	70-130				
Chloroethane	10.6		"	10.0		106	70-130				
Chloroform	10.5		"	10.0		105	70-130				
Chloromethane	8.84		"	10.0		88.4	70-130				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	70-130				
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	12.0		"	10.0		120	70-130				
Dichlorodifluoromethane	10.5		"	10.0		105	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	9.68		"	10.0		96.8	70-130				
Hexachlorobutadiene	10.3		"	10.0		103	70-130				
Isopropanol	10.7		"	10.0		107	70-130				
Methyl Methacrylate	11.2		"	10.0		112	70-130				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130				
Methylene chloride	9.95		"	10.0		99.5	70-130				
n-Heptane	10.5		"	10.0		105	70-130				
n-Hexane	10.2		"	10.0		102	70-130				
o-Xylene	10.1		"	10.0		101	70-130				
p- & m- Xylenes	20.4		"	20.0		102	70-130				
p-Ethyltoluene	10.4		"	10.0		104	70-130				
Propylene	10.5		"	10.0		105	70-130				
Styrene	8.39		"	10.0		83.9	70-130				
Tetrachloroethylene	11.6		"	10.0		116	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	9.86		"	10.0		98.6	70-130				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Trichloroethylene	12.3		"	10.0		123	70-130				
Trichlorofluoromethane (Freon 11)	10.4		"	10.0		104	70-130				
Vinyl acetate	10.1		"	10.0		101	70-130				
Vinyl bromide	11.4		"	10.0		114	70-130				
Vinyl Chloride	9.99		"	10.0		99.9	70-130				

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Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

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.

York Analytical Laboratories, Inc.
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Field Chain-of-Custody Record - AIR

NOTE: 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. 22B0358

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	100964201	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 213 Meadow Street	RUSH - Two Day
Phone.: 973 560 4400	Phone.:	Phone.:		RUSH - Three Day
Contact: Molly Mattern	Contact:	Contact:		RUSH - Four Day
E-mail: mmattern@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 your name above and sign below) Morgan McBride

Air Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
AI - Indoor Ambient Air	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
AO - Outdoor Amb. Air	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS	
AS - Soil Vapor/Sub-Slab	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite	
	Other	Other:			

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
042 - LSV - 4	2/8/22 1100	AS	-30	-4	18302	6879	TO-15 VOCs
043 - DUP - 3	1105		-30	-3	28857	7362	
~~044 - LSV - 1~~	~~1210~~		~~-30~~	-	~~37799~~	~~12189~~	
045 - LSV - 2	1235		-30	-4	28317	13568	
046 - LSV - 3	1300		-29	-3	10042	7423	

Comments:

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___

Routine Survey ___ Other ___

Sampling Media

6 Liter Canister X

Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Morgan McBride/Langan	2/8/22 1545	Andrew S. York	2/8/22 1545	Andrew S. York	2/8/22
Samples Received 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
				Alexa M Schenk	2/9/22 1130

Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/16/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0429

Report Date: 02/16/2022
Client Project ID: 100964201
York Project (SDG) No.: 22B0429

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

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 11, 2022 and listed below. The project was identified as your project: **100964201**.

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
22B0429-01	044_LSV-1	Soil Vapor	02/08/2022	02/11/2022

General Notes for York Project (SDG) No.: 22B0429

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:** 02/16/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 044_LSV-1 **York Sample ID:** 22B0429-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0429	100964201	Soil Vapor	February 8, 2022 2:50 pm	02/11/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.01	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.806	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.01	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.13	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.806	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.598	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.293	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.10	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.726	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.13	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.888	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.598	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.683	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.03	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.726	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.980	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.888	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.683	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.888	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.06	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.48**		ug/m³	0.436	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 044_LSV-1 **York Sample ID:** 22B0429-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0429	100964201	Soil Vapor	February 8, 2022 2:50 pm	02/11/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.21	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.31	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.605	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**40.0**		ug/m³	0.702	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.321	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**2.12**		ug/m³	0.472	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.765	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.989	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.53	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.574	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.460	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.279**		ug/m³	0.232	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.680	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.390	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.721	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.16**		ug/m³	0.305	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.293	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.670	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**0.508**		ug/m³	0.508	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.26	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.19**		ug/m³	0.730	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**1.17**		ug/m³	1.06	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			

Sample Information

Client Sample ID: 044_LSV-1 **York Sample ID:** 22B0429-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0429	100964201	Soil Vapor	February 8, 2022 2:50 pm	02/11/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	0.641	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.58	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**4.03**		ug/m³	0.726	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	**Methyl Methacrylate**	**0.726**		ug/m³	0.605	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.533	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**4.67**		ug/m³	1.03	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.848**		ug/m³	0.605	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**1.61**		ug/m³	0.521	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	0.641	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**1.47**		ug/m³	1.28	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.726	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.254	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.629	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	1.00	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.871	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:			
108-88-3	**Toluene**	**4.29**		ug/m³	0.557	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.586	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.670	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**0.397**		ug/m³	0.198	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.16**		ug/m³	0.830	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.520	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.646	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: 044_LSV-1 **York Sample ID:** 22B0429-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0429	100964201	Soil Vapor	February 8, 2022 2:50 pm	02/11/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.189	1.477	EPA TO-15	02/15/2022 03:00	02/15/2022 19:44	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Analytical Batch Summary

Batch ID: BB21894 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22B0429-01	044_LSV-1	02/15/22
BB21894-BLK1	Blank	02/15/22
BB21894-BS1	LCS	02/15/22

Volatile Organic Compounds in Air 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 BB21894 - EPA TO15 PREP											
Blank (BB21894-BLK1) Blank									Prepared & Analyzed: 02/15/2022		
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								

Volatile Organic Compounds in Air 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 BB21894 - EPA TO15 PREP											
Blank (BB21894-BLK1) Blank									Prepared & Analyzed: 02/15/2022		
n-Hexane	ND	0.352	ug/m³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
LCS (BB21894-BS1) LCS									Prepared & Analyzed: 02/15/2022		
1,1,1,2-Tetrachloroethane	9.62		ppbv	10.0		96.2	70-130				
1,1,1-Trichloroethane	8.92		"	10.0		89.2	70-130				
1,1,2,2-Tetrachloroethane	9.94		"	10.0		99.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.76		"	10.0		97.6	70-130				
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethane	9.39		"	10.0		93.9	70-130				
1,1-Dichloroethylene	8.75		"	10.0		87.5	70-130				
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	70-130				
1,2,4-Trimethylbenzene	8.64		"	10.0		86.4	70-130				
1,2-Dibromoethane	10.0		"	10.0		100	70-130				
1,2-Dichlorobenzene	8.07		"	10.0		80.7	70-130				
1,2-Dichloroethane	7.98		"	10.0		79.8	70-130				
1,2-Dichloropropane	10.1		"	10.0		101	70-130				
1,2-Dichlorotetrafluoroethane	9.00		"	10.0		90.0	70-130				
1,3,5-Trimethylbenzene	8.63		"	10.0		86.3	70-130				
1,3-Butadiene	8.29		"	10.0		82.9	70-130				
1,3-Dichlorobenzene	8.39		"	10.0		83.9	70-130				
1,3-Dichloropropane	10.0		"	10.0		100	70-130				
1,4-Dichlorobenzene	8.48		"	10.0		84.8	70-130				
1,4-Dioxane	10.3		"	10.0		103	70-130				
2-Butanone	9.86		"	10.0		98.6	70-130				
2-Hexanone	8.12		"	10.0		81.2	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	8.76		"	10.0		87.6	70-130				
Acetone	9.52		"	10.0		95.2	70-130				
Acrylonitrile	8.52		"	10.0		85.2	70-130				
Benzene	9.62		"	10.0		96.2	70-130				
Benzyl chloride	9.72		"	10.0		97.2	70-130				
Bromodichloromethane	9.41		"	10.0		94.1	70-130				
Bromoform	9.63		"	10.0		96.3	70-130				
Bromomethane	9.99		"	10.0		99.9	70-130				
Carbon disulfide	10.2		"	10.0		102	70-130				
Carbon tetrachloride	8.58		"	10.0		85.8	70-130				

Volatile Organic Compounds in Air 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 BB21894 - EPA TO15 PREP											
LCS (BB21894-BS1) LCS							Prepared & Analyzed: 02/15/2022				
Chlorobenzene	8.55		ppbv	10.0		85.5	70-130				
Chloroethane	10.9		"	10.0		109	70-130				
Chloroform	9.09		"	10.0		90.9	70-130				
Chloromethane	9.06		"	10.0		90.6	70-130				
cis-1,2-Dichloroethylene	9.81		"	10.0		98.1	70-130				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Cyclohexane	10.8		"	10.0		108	70-130				
Dibromochloromethane	9.00		"	10.0		90.0	70-130				
Dichlorodifluoromethane	8.85		"	10.0		88.5	70-130				
Ethyl acetate	9.61		"	10.0		96.1	70-130				
Ethyl Benzene	8.85		"	10.0		88.5	70-130				
Hexachlorobutadiene	8.72		"	10.0		87.2	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	10.6		"	10.0		106	70-130				
Methyl tert-butyl ether (MTBE)	8.22		"	10.0		82.2	70-130				
Methylene chloride	9.27		"	10.0		92.7	70-130				
n-Heptane	10.3		"	10.0		103	70-130				
n-Hexane	10.9		"	10.0		109	70-130				
o-Xylene	8.56		"	10.0		85.6	70-130				
p- & m- Xylenes	17.2		"	20.0		86.0	70-130				
p-Ethyltoluene	9.00		"	10.0		90.0	70-130				
Propylene	10.6		"	10.0		106	70-130				
Styrene	8.89		"	10.0		88.9	70-130				
Tetrachloroethylene	9.38		"	10.0		93.8	70-130				
Tetrahydrofuran	10.4		"	10.0		104	70-130				
Toluene	9.00		"	10.0		90.0	70-130				
trans-1,2-Dichloroethylene	9.67		"	10.0		96.7	70-130				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				
Trichloroethylene	8.69		"	10.0		86.9	70-130				
Trichlorofluoromethane (Freon 11)	8.79		"	10.0		87.9	70-130				
Vinyl acetate	9.01		"	10.0		90.1	70-130				
Vinyl bromide	10.3		"	10.0		103	70-130				
Vinyl Chloride	8.79		"	10.0		87.9	70-130				

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ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

TO-VAC — The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

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.

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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. 22B0429

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:	100964201	RUSH - Next Day
Address: 300 Kimball Drive Parsippany, NJ 07054	Address: SAME	Address: SAME	YOUR Project Name: 213 Meadow Street	RUSH - Two Day
Phone.: 973 560 4900	Phone.:	Phone.:		RUSH - Three Day
Contact: Molly Mattern	Contact:	Contact:		RUSH - Four Day
E-mail: mmattern@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) Morgan McBride

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
044_LSV-1	AS	2/8/22 1450	TO-15 VOCs	6L summa
canister vacuum (in Hg) Before sampling: -29 After sampling: -2	*canister ID* 36459		*Flow cont. ID* 5708	

Comments: *Note: this COC is for AIR sample
AS = air soil vapor sample

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
Morgan McBride Langan	2/8/22 1900	EQU Facility / Langan	2/8/22 1900	/ Langan	2/9/22 1200
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Andrew S. York	2/9/22 1200	Andrew S. York	2/9/22		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					2/11/22 6:37 Degrees C

ATTACHMENT E

DATA USABILITY SUMMARY 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 Manager

From: Joe Conboy, Langan Senior Staff Chemist

Date: February 28, 2022

Re: Data Usability Summary Report
For 213 Meadow Street
February 2022 Soil Samples
Langan Project No.: 100964202

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in February 2022 by Langan Engineering and Environmental Services at 213 Meadow Street site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6010D/7473
- Cyanide by SW-846 Method 9014/9010C
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

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.

USEPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. USEPA recommends that modified methods be assessed relative to project goals and data quality objectives.

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 analytical reports described herein 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

22B0179

The LCS/LCSD for batch BB21592 exhibited percent recoveries below the LCL for 1,2,3-trichlorobenzene (80.6%, 79.7%), 1,3-dichlorobenzene (82.4%, 81.6%), 1,4-dichlorobenzene (84.3%, 82.7%), hexachlorobutadiene (82.7%, 82.4%), and t-butylbenzene (73.8%, 73.3%). The associated results in samples 001_LSB-2_2-4, 003_LSB-3_2-4, and 008_LSB-4_4-6 are qualified as UJ because of potential low bias.

The TB (010_TB-1) exhibited a detection of methylene chloride (1.67 ug/L). The associated results in samples 001_LSB-2_2-4, 003_LSB-3_2-4, and 008_LSB-4_4-6 are qualified as U at the reporting limit because of potential blank contamination.

22B0234

The TB (012_TB-2) exhibited a detection of methylene chloride (1.01 ug/l). The associated results in samples 016_LSB-1_4-6, 025_LSB-5_15-17, and 026_LSB-7_2-4 are qualified as U at the reporting limit because of potential blank contamination.

The FB (014_FB-1) exhibited a detection of methylene chloride (9.45 ug/l). The associated results in samples 016_LSB-1_4-6, 025_LSB-5_15-17, and 026_LSB-7_2-4 are qualified as U at the reporting limit because of potential blank contamination.

The LCS for batch BB21663 exhibited a percent recovery below the LCL for tetrachloroethene (79.9%). The associated results in samples 025_LSB-5_15-17, 026_LSB-7_2-4, and 029_DUP-1 are qualified as UJ because of potential low bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

22B0179

The LCS for batch BB21428 exhibited percent recoveries below the LCL for 2,4-dinitrophenol (0%), 4,6-dinitro-2-methylphenol (5.12%), benzoic acid (2.68%), and hexachlorocyclopentadiene (0%). The associated results in samples 001_LSB-2_2-4, 003_LSB-3_2-4, and 008_LSB-4_4-6 are qualified as UJ because of potential low bias.

PCBs by SW-846 Method 8082A

22B0179

Sample 001_LSB-2_2-4 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (50%). The associated results are qualified as UJ because of potential low bias.

Sample 003_LSB-3_2-4 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (51%). The associated results are qualified as UJ because of potential low bias.

Sample 008_LSB-4_4-6 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (45.5%). The associated results are qualified as J or UJ because of potential low bias.

PCB calculations are based upon the average response of five peaks for PCB-1254. For sample 008_LSB-4_4-6, an interference was present and the analyst was unable to use all five peaks. The associated result is qualified J based on a potential bias.

Metals by SW-846 Methods 6010D/7471B

22B0179

The LCS for batch BB21541 exhibited percent recoveries above the UCL for barium (134%), cadmium (130%), cobalt (131%), and nickel (157%). The associated results in samples 001_LSB-2_2-4, 003_LSB-3_2-4, and 008_LSB-4_4-6 are qualified as J because of potential high bias.

The FB (014_FB-1) exhibited a detection of sodium (167 mg/l). The associated results in samples 016_LSB-1_4-6, 022_LSB-6_8-10, 022_LSB-6_8-10, 025_LSB-5_15-17, 026_LSB-7_2-4, and 029_DUP-1 are qualified as J because of potential blank contamination.

22B0234

The laboratory duplicate and parent sample (015_LSB-1_2-4) exhibited a RPD above the control limit for mercury (48.2%). The associated results are qualified as J because of potential indeterminate bias.

The LCS for batch BB21610 exhibited percent recoveries above the UCL for nickel (142%), barium (126%), and copper (127%). The associated results in samples 016_LSB-1_4-6, 022_LSB-6_8-10, 025_LSB-5_15-17, 026_LSB-7_2-4, and 029_DUP-1 are qualified as J because of potential high bias.

The LCS for batch BB22088 exhibited a percent recovery above the UCL for nickel (130%). The associated results in samples 015_LSB-1_2-4 and 023_LSB-5_4-7 are qualified as J because of potential high bias.

The MS performed on sample 016_LSB-1_4-6 exhibited a percent recovery above the UCL for mercury (135%). The associated results in sample 016_LSB-1_4-6 are qualified as J because of potential high 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

22B0179

The LCS/LCSD for batch BB21592 exhibited percent recoveries above the UCL for chloroethane (157%, 156%) and trichlorofluoromethane (147%, 144%). The associated results are non-detect. No qualification is necessary.

22B0234

The MB for batch BB21663 exhibited a detection of bromomethane (0.0042 mg/kg). The associated results are non-detect. No qualification is necessary.

The FB (014_FB-1) exhibited detections of aluminum (4.83 mg/l), iron (8.04 mg/l), lead (0.0279 mg/l), magnesium (35.8 mg/l), manganese (2.47 mg/l), nickel (0.0947 mg/l), potassium (4.85 mg/l), calcium (58.7 mg/l), barium (0.273 mg/l), chromium, total (0.0114 mg/l), cobalt (0.0127 mg/l), copper (0.0354 mg/l), vanadium (0.0185 mg/l), and zinc (0.0807 mg/l). The associated results are >10X the contamination. No qualification is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

22B0234

The FB (014_FB-1) exhibited a detection of naphthalene (0.140 ug/l). The associated results are >10X the contamination. No qualification is necessary.

Sample 029_DUP-1 exhibited percent recoveries above the UCL for the surrogates 2-fluorophenol (111%) and nitrobenzene-d5 (112%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

PFAS by USEPA Method 537M

22B0234

The LCS for batch BB21569 exhibited percent recoveries above the UCL for PFOS (132%) and NEtFOSAA (135%). The associated results are non-detect. No qualification is necessary.

Metals by SW-846 Methods 6010D/7471B

22B0179

The MB for batch BB21541-BLK1 exhibited a detection of calcium (6.27 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The LCS for batch BB21541 exhibited a percent recovery above the UCL for beryllium (131%). The associated results are non-detect. No qualification is necessary.

22B0234

The MB for batch BB21610 exhibited detections of potassium (13.1 mg/kg) and calcium (6.93 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BB22088 exhibited detections of zinc (4.09 mg/kg) and calcium (71.2 mg/kg). 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 ±2X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to and met the precision criteria:

- 029_DUP-1 and 026_LSB-7_2-4

The field duplicate and parent sample (026_LSB-7_2-4 and 029_DUP-1) exhibited RPDs above the control limit for 2-methylnaphthalene (80.4%), acenaphthylene (107.9%), fluoranthene (77%), naphthalene (104.6%), and pyrene (61.2%). 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

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 Manager

From: Joe Conboy, Langan Senior Staff Chemist

Date: February 25, 2022

Re: Data Usability Summary Report
For 213 Meadow Street
February 2022 Groundwater Samples
Langan Project No.: 100964202

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in February 2022 by Langan Engineering and Environmental Services at 213 Meadow Street site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270 SIM
- PFAS by USEPA Method 537M
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- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6010D/7471B
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

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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 analytical reports described herein underwent Tier 1 validation review.

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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.

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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

22B0319

The LCS/LCSD for batch BB21678 exhibited percent recoveries below the LCL for 1,2,3-trichlorobenzene (72.3%, 75.3%), bromomethane (31.9%, 28.2%), 1,2,4-trichlorobenzene (75.7%), bromoform (75.7%), 1,3-dichlorobenzene (84.5%), and t-butylbenzene (75.7%). This LCS/LCSD also exhibited a RPD above the control limit for vinyl chloride (39.2%). The associated results in samples 032_LMW-1, 033_DUP-2, and 034_LMW-2 are qualified as UJ because of potential bias.

22B0357

The TB (039_TB-4) exhibited a detection of acetone (1.12 ug/l), tert-butyl alcohol (0.610 ug/l), and 2-butanone (0.650 ug/L). The associated results in samples 040_LMW-4 and 041_LMW-3 are qualified as J or U at the higher of the sample concentration and the reporting limit because of potential blank contamination.

The LCS/LCSD for batch BB21678 exhibited percent recoveries below the LCL for 1,2,3-trichlorobenzene (72.3%, 75.3%), bromomethane (31.9%, 28.2%), 1,2,4-trichlorobenzene (75.7%), bromoform (75.7%), 1,3-dichlorobenzene (84.5%) and t-butylbenzene (75.7%). This LCS/LCSD also exhibited a RPD above the

control limit for vinyl chloride (39.2%). The associated results in samples 040_LMW-4 and 041_LMW-3 are qualified as UJ because of potential bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

22B0319

The LCS for batch BB21821 exhibited percent recoveries outside of control limits for benzoic acid (23.4%), hexachlorocyclopentadiene (0%), benzo(g,h,i)perylene (144%) and dibenz(a,h)anthracene (143%). The associated results in samples 032_LMW-1, 033_DUP-2 and 034_LMW-2 are qualified as J or UJ because of potential bias.

The sample 041_LMW-3 exhibited an exceedance of the recommended holding time for the extraction of 1,4-dioxane by SVOC SIM analyses (1 day). The associated results are qualified as J because of potential low bias.

22B0357

The LCS for batch BB21821 exhibited a percent recovery below the LCL for benzoic acid (23.4%) and hexachlorocyclopentadiene (0%). The associated results in samples 040_LMW-4 and 041_LMW-3 are qualified as UJ because of potential low bias.

PFAS by USEPA Method 537M

22B0319

The LCS/LCSD for batch BB21642 exhibited a RPD above the control limit for PFDA (35.2%). The associated results in samples 032_LMW-1, 033_DUP-2 and 034_LMW-2 are qualified as J or UJ because of potential indeterminate bias.

Sample 032_LMW-1 exhibited a percent recovery above the UCL for the isotope dilution standard M2-8:2 FTS (203%). The associated results are qualified as UJ because of potential high bias.

Sample 034_LMW-2 exhibited a percent recovery above the UCL for the isotope dilution standard M2-6:2 FTS (221%). The associated results are qualified as UJ because of potential high bias.

22B0357

Sample 040_LMW-4 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (5.96%). The associated results are qualified as UJ because of potential low bias.

Sample 040_LMW-4 exhibited percent recoveries above the UCL for the isotope dilution standard N-MeFOSAA (154%), NEtFOSAA (171%), 6:2 FTS (292%), and 8:2 FTS (224%). The associated results are qualified as J or UJ because of potential high bias.

Sample 041_LMW-3 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (4.09%). The associated results are qualified as UJ because of potential low bias.

Sample 041_LMW-3 exhibited percent recoveries above the UCL for the isotope dilution standard 6:2 FTS (220%) and 8:2 FTS (297%). The associated results are qualified as UJ because of potential high bias.

The LCS/LCSD for batch BB21642 exhibited a RPD above the control limit for PFDA (35.2%). The associated results in samples 040_LMW-4 and 041_LMW-3 are qualified as J or UJ because of potential indeterminate bias.

PCBs by SW-846 Method 8082A

22B0319

Sample 032_LMW-1 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (29.0%). The associated results are qualified as UJ because of potential low bias.
Sample 033_DUP-2 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (26.0%). The associated results are qualified as UJ because of potential low bias.

22B0357

Sample 040_LMW-4 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (28%). The associated results are qualified as UJ because of potential low bias.

Pesticides by SW-846 Method 8081B

22B0319

Sample 033_DUP-2 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (28.7%). The associated results are qualified as UJ because of potential low bias.

Metals by SW-846 Methods 6010D/7471B

22B0319

The FB (035_FB-2) exhibited a detection of zinc (0.0465 mg/l). The associated results in samples 032_LMW-1 and 034_LMW-2 are qualified as U at the sample concentration because of potential blank contamination.

The LCS for batch BB21916 exhibited a percent recovery below the LCL for selenium (77.7%). The associated results in samples 032_LMW-1, 033_DUP-2 and 034_LMW-2 are qualified as J because of potential low bias.

22B0357

The LCS for batch BB21916 exhibited a percent recovery below the LCL for selenium (77.7%). The associated results in samples 040_LMW-4 and 041_LMW-3 are qualified as J because of potential low bias.

Cyanide by SW-846 Method 9012B

22B0319

The FB (035_FB-2) exhibited a detection of cyanide (0.0344 mg/l). The associated results in samples 032_LMW-1, 033_DUP-2, and 034_LMW-2 are qualified as U at the sample concentration because of potential blank contamination.

Hexavalent Chromium by SW-846 Method 7196A

22B0319

The samples 032_LMW-1 and 034_LMW-2 exhibited an exceedance of the recommended holding time for hexavalent chromium by 14 hours. The associated results are qualified as UJ 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

22B0319

The LCS/LCSD for batch BB21678 exhibited a percent recovery above the UCL for vinyl acetate (108%, 117%). The associated results are non-detect. No qualification is necessary.

22B0357

The TB (039_TB-4) exhibited a detection of methylene chloride (2.67 ug/l). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BB21678 exhibited a percent recovery above the UCL for vinyl acetate (108%, 117%). The associated results are non-detect. No qualification is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

22B0319

The LCS for batch BB21821 exhibited a percent recovery above the UCL for hexachlorobutadiene (126%). The associated results are non-detect. No qualification is necessary.

22B0357

The LCS for batch BB21821 exhibited percent recoveries above the UCL for benzo(g,h,i)perylene (144%), dibenz(a,h)anthracene (143%), and hexachlorobutadiene (126%). The associated results are non-detect. No qualification is necessary.

Metals by SW-846 Methods 6010D/7471B

22B0319

The FB (035_FB-2) exhibited detections of iron (1.20 mg/l) and calcium (0.273 mg/l). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

Seven 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 and met the precision criteria:

- 033_DUP-2 and 032_LMW-1

The field duplicate and parent sample (032_LMW-1 and 033_DUP-2) exhibited RPDs above the control limit for acenaphthene (36.3%), benzo(a)anthracene (33.3%), benzo(a)pyrene (53.4%), benzo(b)fluoranthene (65.5%), benzo(g,h,i)perylene (47.2%), benzo(k)fluoranthene (53.8%), chrysene (37.2%), cyanide (112.7%), fluorene (33%), indeno(1,2,3-c,d)pyrene (46.2%), naphthalene (37.5%), and PFBS (59.6%). 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

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: February 25, 2022

Re: Data Usability Summary Report
For 213 Meadow Street
February 2022 Soil Vapor Samples
Langan Project No.: 100964202

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in February 2022 by Langan Engineering and Environmental Services at the 213 Meadow Street site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, 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 Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic 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:

FB	Field Blank	MDL	Method Detection Limit
FD	Field Duplicate	MS	Matrix Spike
ISTD	Internal Standard	MSD	Matrix Spike Duplicate
LCL	Lower Control Limit	RL	Reporting Limit
LCS	Laboratory Control Sample	RPD	Relative Percent Difference
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit
MB	Method Blank		

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 analytical reports described herein 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's guidelines and 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 due to 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 USEPA Method TO-15:

22B0358

The final vacuum measurements in the canister for samples 042_LSV-4. 043_DUP-3, 045_LSV-2, and 046_LSV-3 were less than -2 in. Hg. All associated results are qualified as J or UJ because of potential low bias.

22B0429

The final vacuum in the canister for sample 044_LSV-1 was less than -2 in. Hg. All associated results in sample 044_LSV-1 are qualified as J or UJ because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

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 vapor. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 043_DUP-3 and 042_LSV-4

The field duplicate (043_DUP-3) and parent sample (042_LSV-4) exhibited RPDs above the control limit for 1,1-dichloroethane (165%), dichlorodifluoromethane (173%), and tert-butyl methyl ether (97.9%). 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