
PHASE II ENVIRONMENTAL INVESTIGATION REPORT

for

**QUAY STREET
Block 2590, Lot 1
Brooklyn, New York**

Prepared For:

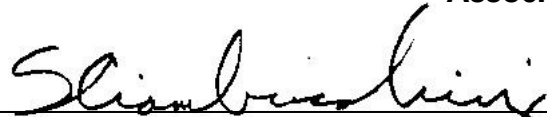
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1.0 INTRODUCTION

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 site located on Quay Street, Brooklyn, New York ("site"). A tax lot subdivision application has been provided to New York City such that this parcel has been subdivided from the former extents of Lot 1 and will remain identified as Lot 1 on the New York City tax maps. 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 ±65,150 square foot property located at Block 2590, Lot 1 in Brooklyn, New York. The property is developed with the western portion of one-story warehouse building, which covers the majority of the subject property footprint and is currently occupied by NYC Transit Authority (NYCTA) as a storage facility for the Mobile Wash Unit and the Material Control Unit. NYCTA has owned and occupied the site since 1997.

Based on an ALTA/NSPS Land Title Survey prepared by Montrose Survey Co., LLP dated 9 June 2023, an easement for a 66" city combined sewer crosses the site from north to south in the eastern portion of the site. The combined sewer traverses from east to west beneath Quay Street and turns beneath the subject property immediately to the south of the intersection of Quay Street and West Street.

The site is bound to the north by Quay Street followed by a lot currently being redeveloped for residential use through the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP), a three-story warehouse building, and a three-story residential apartment building; to the east by the eastern portion of the one-story industrial/manufacturing warehouse building; and to the south and west by vacant open space and outdoor recreational use land followed by Bushwick Inlet. The site is located within an area of dense development to the north and east consisting of industrial, residential, and commercial uses on the city block bound by Quay Street to the north, Franklin Street to the east, and Bushwick Inlet to the south and west.

1.2 Historical Site Use and Adjacent Properties

Based on the Phase I Environmental Site Assessment (ESA) dated 20 September 2023 and prepared by Langan, the site was operated for industrial and manufacturing purposes between 1887 and 1983 including an iron foundry (1887-1916), piano plate manufacturing (1905-1916), fireproof door manufacturing and painting (1940-1965), machine shops (1942-1951), and steel product manufacturing (1978-1983). The subject property was historically owned by Texaco Inc. prior to 1974. No information or records related to historical operations on the subject property by Texaco were identified during the ESA. The subject property is currently owned by the NYCTA since 1997 and is operated as a storage facility for the Mobile Wash Unit and the Material Control Unit, which includes vehicle parking, light vehicle maintenance, and storage of petroleum and vehicle maintenance products in 55-gallon drums and cleaning supplies. The current owner was also registered for the generation and disposal of hazardous waste between 2006 and 2021.

The site is identified in the NYSDEC Petroleum Bulk Storage (PBS) database as unregulated/closed PBS Facility No. 2-260428 for two 7,500-gallon #2 fuel oil underground storage tanks (USTs) closed in-place on 17 August 2005. The location of the USTs could not be identified during the Phase I ESA site walk and no records documenting the condition of the USTs and surrounding subsurface area or tank closure documents were identified by NYCTA, NYSDEC, or the New York City Fire Department for review during the Phase I ESA.

The Phase I ESA identified the historical and current on-site operations, closed in-place USTs, and historical operations at a nearby site to the east as Recognized Environmental Conditions (RECs) due to the potential for inadvertent and/or incidental releases of chemicals used during these historical and current operations including petroleum products, solvents, or per- and polyfluoroalkyl substances (PFAS) to have adversely impacted soil, soil vapor, or groundwater at the site.

According to the Phase I ESA, other historical uses of concern were identified at adjacent and nearby properties, including cork manufacturing (1887), iron works and foundry (1887-1916), machine shops (1887-1905), metal plating piano plate manufacturing (1905-1916), fireproof door manufacturing and painting (1940-1965), welding (1951), miscellaneous manufacturing (1951-2007), automotive repair (1965), steel product/metal manufacturing (1945-1983), molding companies (1985-

1997), paper and plastic product companies (1985-2014), and an oil terminal to the south of the subject property across Bushwick Inlet (1887-2007).

The Phase I ESA identified historical operations at adjacent and nearby properties as a business environmental risk, in addition to the potential presence of undocumented USTs and potential presence of fill material.

1.3 Geological and Hydrogeological Conditions

Based on borings completed during the July 2023 Phase II EI, stratigraphy of the site consists of a 6-inch to 1-foot-thick layer of concrete underlain by 2 to 9-feet of fill followed by sand, silty sand, and silt. All borings were completed to approximately 15 to 20 feet below ground surface (bgs).

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 4.4 feet bgs in MW03 and 7.55 feet bgs in MW04, completed during the Phase II EI. Based on site/area topography, groundwater flow is anticipated to be to the west, toward the East River.

2.0 PHASE II ENVIRONMENTAL INVESTIGATION

Langan completed this Phase II investigation in July 2023 to assess if adverse subsurface environmental impacts have resulted from historical operations at the site and surrounding sites.

The investigation included the installation of 9 soil borings, three groundwater monitoring wells, three 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 operations throughout the site, the current loading dock in the western portion of the site, and drum storage in the central portion of the site. All soil boring, monitoring well, and soil vapor sampling locations are shown on Figure 2.

2.1 Geophysical Survey

The geophysical survey was completed between 17 and 19 July 2023 by Ground Penetrating Radar Systems, Inc. of Toledo, Ohio using ground penetrating radar (GPR) and precision utility location (PUL). The purpose of the geophysical survey was to assess for the presence of the closed in-place USTs, identify any underground structures within the survey area, and to clear the proposed soil boring locations for utilities. Utility clearance was completed around the eleven soil boring locations.

The geophysical survey was completed throughout accessible portions of the site building and along the Quay Street sidewalk to the north of the project site. The penetration depth of GPR equipment was restricted to less than 4 feet below slab grade due to the presence of steel-mesh reinforcement. No evidence of USTs was identified throughout the geophysical survey.

Potential underground utilities were detected in the vicinity of SB01 and SB11. Based on these findings, boring locations were moved at least five feet from any suspected utility or unidentified buried object. The geophysical survey report is provided as Appendix A.

2.2 Soil Investigation and Field Observations

Between 18 and 21 July 2023, 9 soil borings (SB01 through SB04 and SB07 through SB11) were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York. The borings were completed to between 15 and 20 feet bgs using a track-mounted Geoprobe® 7782DT direct push drill rig. The following soil borings were advanced at the site:

- One soil boring (SB01) was completed in the central portion of the site to assess potential impacts from the drum storage area.
- One soil boring (SB10) was completed in the western portion of the site to assess potential impacts from the loading dock.
- Seven soil borings (SB02, SB03, SB04, SB07, SB08, SB09, and SB11) were completed throughout the site to assess for impacts from historical site operations, to assess subsurface conditions in the vicinity of observed site features such as cracks in the building slab or sumps, and/or 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 Appendix B and complete laboratory data packages are provided in Appendix D.

All of the soil borings were completed to between 15 and 20 feet bgs using a track-mounted Geoprobe® 7782DT direct push drill rig. 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 nine soil borings and all soil samples were screened for visual or olfactory evidence of impacts. PID readings above background were detected up to 72.5 ppm at SB07 at 9.5 feet bgs and 2.3 ppm at SB08 at 3.5 feet bgs. Odors were observed at SB07 between 9 and 15 feet bgs. Staining was not observed in any soil borings completed as part of the Phase II EI.

Nineteen soil samples were collected for chemical analysis during the Phase II EI. Three discrete soil samples were collected from each SB07 and SB08; two discrete soil sample were collected from each SB01, SB03, SB04, SB09, SB10, and SB11; and one discrete soil sample was collected from SB02. 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 8 to 10 feet bgs at SB07, which also coincided as the 2-foot interval above the groundwater table. Soil samples were collected from the fill layer from 0 to 2 feet bgs at SB04, SB06, and SB09; from 1 to 3 feet bgs at SB08 and SB10; from 2 to 4 feet bgs at SB01; and from 3 to 5 at SB02, SB03, and SB11.

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).

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 two field blanks, one soil duplicate sample, three equipment blanks, and three trip blanks during the Phase II EI. The Phase II EI soil duplicates 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

Between 19 and 24 July 2023, three groundwater monitoring wells (MW02 through MW04) were installed by a licensed well driller from ADT. Monitoring wells were completed to approximately 13 feet bgs at all three locations. MW02 was installed at SB02, to assess general site conditions. MW03 was installed at SB10 to assess for impacts from the loading dock. MW04 was installed at SB07 due to the observed PID readings and odors observed between 9 and 15 feet bgs. The monitoring wells were constructed with 10 feet of 2-inch diameter Schedule 40 PVC well screen and 3 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 Appendix 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 depth ranged from approximately 4.4 feet bgs in monitoring well MW03 to 7.55 feet bgs in monitoring well MW04.

On 25 July 2023, groundwater samples were collected from each of the three wells 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 MW02 during the beginning of well purging. A headspace PID reading of 33.8 ppm was detected in MW04 before purging began. Groundwater analytical results are provided in Table 2 and are summarized on Figure 4. Low-flow groundwater sampling logs are provided in Appendix C and a complete laboratory data package is provided in Appendix D.

Groundwater samples were submitted to York for NYSDEC Part 375-specified VOCs, SVOCs, PCBs, pesticides, herbicides, total and dissolved TAL metals, hexavalent and trivalent 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, one trip blank, one equipment blank, 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 blank was analyzed for PFAS and 1,4-dioxane. The trip blank was analyzed for VOCs only.

2.4 Soil Vapor Investigation and Field Observations

Between 18 and 24 July 2023, three soil vapor sampling points (SV02 through SV04) were installed throughout the project Site. On 24 July 2023, three soil vapor samples were collected for chemical analysis during the Phase II EI. Soil vapor sampling locations are shown on Figure 2. SV02 was installed adjacent to SB02, SV03 was installed adjacent to SB03, and SV04 was installed adjacent to SB07 to assess general site conditions.

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 Appendix 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 0.1 ppm in SV02 to 0.2 ppm in SV03 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.

One Summa canister (SV04) was submitted to the laboratory with negative pressure documented upon the completion of sampling; however, when this canister was received by the laboratory it was determined that it had achieved positive pressure conditions. Testing of the Summa canister at the laboratory revealed this condition was likely due to malfunction of the canister. As such, the data for SV04 is not included as part of this evaluation.

3.0 PHASE II ENVIRONMENTAL INVESTIGATION ANALYTICAL RESULTS

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 Unrestricted Use Soil Cleanup Objectives (SCOs), Restricted-Residential Restricted Use SCOs (RUSCOs), and Protection of Groundwater SCOs. Groundwater sample laboratory analytical results were compared to NYSDEC Ambient Water Quality Standards and Guidance Value (SGVs) and the NYSDEC Part 375 Remedial Programs Guidelines for Sampling and analysis of PFAS (April 2023). 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 Unrestricted Use SCOs, Restricted-Residential RUSCOs, and Protection of Groundwater SCOs and are presented in Table 1 and summarized on Figure 3. Sample depths are identified as depth below ground surface (bgs).

VOCs

Acetone (0.054 mg/kg – 0.089 mg/kg), a common laboratory artifact, was detected in exceedance of the NYSDEC Unrestricted Use SCO and Protection of Groundwater SCO in the sample collected in SB01 from 2 to 4 feet bgs and in SB10 from 5 to 7 feet bgs.

SVOCs

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs, Restricted-Residential RUSCOs, and/or Protection of Groundwater SCOs for acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene in SB01 from 2 to 4 feet bgs, SB02 from 3 to 5 feet bgs, SB03 from 0 to 2 feet bgs and 3 to 5 feet bgs, SB07 from 1 to 3 feet bgs and 3 to 5 feet bgs, SB08 from 1 to 3 feet bgs and 3 to 5 feet bgs, SB09 from 0 to 2 feet bgs, SB10 from 1 to 3 feet bgs and 5 to 7 feet bgs, and SB11 from 3 to 5 feet bgs.

SVOCs that exceed only the Unrestricted Use SCOs include acenaphthene (21 mg/kg) and dibenzofuran (20.2 mg/kg).

The only SVOC that exceeds only the Unrestricted Use SCO and Protection of Groundwater SCO is naphthalene (21.5 mg/kg).

SVOCs that exceed only the Unrestricted Use SCOs and the Restricted-Residential RUSCOs include dibenzo(a,h)anthracene (0.335 mg/kg – 9.57 mg/kg), fluoranthene (162 mg/kg), phenanthrene (191 mg/kg), and pyrene (136 mg/kg).

SVOCs that exceed the Unrestricted Use SCOs and the Protection of Groundwater SCOs and/or Restricted-Residential RUSCOs include benzo(a)anthracene (1.17 mg/kg – 69.4 mg/kg), benzo(a)pyrene (1.03 mg/kg – 64.6 mg/kg), benzo(b)fluoranthene (1.72 mg/kg – 73.4 mg/kg), benzo(k)fluoranthene (0.831 mg/kg – 26.4 mg/kg), chrysene (1.1 mg/kg - 66.8 mg/kg), and indeno(1,2,3-cd)pyrene (0.692 mg/kg – 34.1 mg/kg).

The highest concentration of SVOCs were detected at SB01 from 2 to 4 feet bgs (1,054.72 mg/kg).

Pesticides

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs, for 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT in SB03 from 0 to 2 feet bgs, SB04 from 0 to 2 feet bgs, SB05 from 1 to 3 feet bgs, and SB09 from 3 to 5 feet bgs.

Pesticides that exceeded only the Unrestricted Use SCOs include 4,4'-DDD (0.00676 mg/kg), 4,4'-DDE (0.00374 mg/kg), and 4,4'-DDT (0.00436 mg/kg - 0.00438 mg/kg).

No exceedances of the NYSDEC Protection of Groundwater SCOs or Restricted Residential RUSCOs were detected for pesticides.

Metals

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs, Restricted-Residential RUSCOs, and/or Protection of Groundwater SCOs for arsenic, barium, copper, lead, mercury, nickel, zinc, and trivalent chromium in all soil samples collected from 0 to 9 feet bgs with the exception of SB01 from 7.5 to 9.5 feet bgs, in which no metals were detected above the NYSDEC SCOs.

Metals that exceed only the Unrestricted Use SCOs include barium (357 mg/kg), copper (54.4 mg/kg – 259 mg/kg), nickel (47.7 mg/kg), zinc (116 mg/kg – 907 mg/kg), and trivalent chromium (32.9 mg/kg – 39.9 mg/kg).

Metals that exceed the Unrestricted Use SCOs, the Protection of Groundwater SCOs, and/or Restricted-Residential RUSCOs include arsenic (13.4 mg/kg - 70.9 mg/kg), lead (83.7 mg/kg – 677 mg/kg), and mercury (0.197 mg/kg – 1.6 mg/kg).

The highest concentration of metals exceeding the NYSDEC SCOs was detected at SB08 from 1 to 3 feet bgs (1,737.99 mg/kg) including arsenic, copper, lead, mercury, nickel and zinc detected above the NYSDEC Unrestricted Use SCOs, Restricted-Residential RUSCOs, and/or Protection of Groundwater SCOs.

No exceedances of the NYSDEC Unrestricted Use, Protection of Groundwater SCOs, and Restricted-Residential RUSCOs were detected for PCBs and herbicides. No exceedances of the NYSDEC Unrestricted Use or the Protection of Groundwater Guidance Values were detected for PFAS.

3.2 Groundwater Analytical Results

All groundwater analytical results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Value (SGVs) and the NYSDEC Part 375 Remedial Programs Guidelines for Sampling and analysis of PFAS (April 2023) and are presented in Table 2 and summarized on Figure 4.

VOCs

Analytical results revealed exceedances of the NYSDEC SGVs for the VOCs in MW04 including isopropylbenzene (6.91 µg/l), n-butylbenzene (5.25 µg/l), n-propylbenzene (10.1 µg/l), sec-butylbenzene (8.76 µg/l), and methyl tert-butyl ether (22 µg/l).

SVOCs

Analytical results revealed exceedances of the NYSDEC SGVs for the SVOCs 1,4-dioxane (1.12 µg/l – 5.38 µg/l) in MW03 and MW04.

Pesticides

Analytical results revealed an exceedance of the NYSDEC SGVs for the pesticide heptachlor (0.0472 µg/l) in MW04.

Total Metals

Analytical results revealed exceedances of the NYSDEC SGVs for metals in all three monitoring wells including barium (1,420 µg/l) in MW04, and iron (12,300 µg/l – 52,500 µg/l), magnesium (64,000 µg/l – 211,000 µg/l), manganese (1,870 µg/l – 9,210 µg/l), and sodium (285,000 µg/l – 939,000 µg/l) in all monitoring wells.

Dissolved Metals

Analytical results revealed exceedances of the NYSDEC SGVs for metals in all four monitoring wells including iron (1,180 µg/l) in MW03, and magnesium (64,100 µg/l – 211,000 µg/l), manganese (2,300 µg/l – 9,610 µg/l) and sodium (296,000 µg/l – 2,080,000 µg/l) in all monitoring wells.

PFAS

Analytical results revealed exceedances of the SGVs provided in the Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs (April 2023) including perfluorooctanoic acid (PFOA) (0.0153 µg/l – 0.0373 µg/l) in all three monitoring wells.

No exceedances of the NYSDEC SGVs were detected for PCBs 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-DCE, cis-1,2-DCE, methylene chloride, 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:

- 1,1,1-TCA, with a concentration of 200 $\mu\text{g}/\text{m}^3$;
- Carbon tetrachloride, with a concentration of 1 $\mu\text{g}/\text{m}^3$;
- PCE, with concentrations ranging from 1.7 $\mu\text{g}/\text{m}^3$ to 15 $\mu\text{g}/\text{m}^3$; and,
- TCE, with concentrations ranging from 2.6 $\mu\text{g}/\text{m}^3$ to 2.9 $\mu\text{g}/\text{m}^3$.

The chlorinated VOC 1,1,1-TCA was detected in SV03 (200 $\mu\text{g}/\text{m}^3$), at a concentration which requires mitigation according to NYSDOH Soil Vapor Intrusion Matrix B. As concurrent indoor sampling results were not collected as part of this Phase II EI, the NYSDOH Soil Vapor/Indoor Air decision matrix recommendations cannot be directly applied. No other VOCs were detected above a sub-slab vapor concentration matrix value.

Gasoline-related VOCs were also detected in soil vapor samples. Total BTEX (benzene, toluene, ethylbenzene, and xylenes) concentrations were detected with a concentration of 13.3 $\mu\text{g}/\text{m}^3$ in SV02 to 13.9 $\mu\text{g}/\text{m}^3$ in SV03. Additionally, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, cyclohexane, heptane, and/or hexane were also detected within the soil vapor samples SV02 and SV03.

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 FINDINGS AND CONCLUSIONS

The geophysical survey completed during this Phase II EI did not identify the location(s) of the two closed in-place 7,500-gallon #2 fuel oil USTs registered with NYSDEC.

Based on the results of the Phase II EI, the presence of contaminated fill was detected in soil samples collected to a depth up to 5 feet throughout the majority of the site and to 7 feet bgs in the northwestern corner of the site.

Odors were detected between 9 and 15 feet bgs in SB07 in the central portion of the site. The highest PID readings in soil were also detected in SB07, ranging from 12.6 ppm and 75.5 ppm between 9 and 10 feet bgs and between 2.9 ppm to 38 ppm between 12 to 14 feet bgs. Odors were also observed at the beginning of purging the monitoring well MW02 (installed in SB02), and a headspace reading of 33.8 ppm was detected prior to purging MW04 (installed in SB07).

Although the laboratory analytical results did not identify evidence of a petroleum release in soil, petroleum-related VOCs were detected above the SGVs in groundwater at MW04 (installed in SB07). The presence of petroleum-related field observations, including odors in soil and on groundwater and elevated PID readings in soil and in the headspace of MW04, and the detection of petroleum-related VOCs in groundwater sample MW04 are indicative of a petroleum release at or adjacent to the site. As the location of the two closed in-place 7,500-gallon #2 fuel oil USTs could not be verified, there is potential that the impacts may also be related to these tanks if they are also located in this area.

SVOCs including acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene were detected in all borings except SB04 above the Unrestricted Use SCOs, Protection of Groundwater SCOs, and/or Restricted-Residential RUSCOs. Metals including arsenic, barium, copper, lead, mercury, nickel, trivalent chromium, and/or zinc were detected at concentrations exceeding the Unrestricted Use SCOs in all soil borings. Arsenic was detected at concentrations above the Restricted-Residential RUSCOs and Protection of Groundwater in all soil borings except SB04 SB09, and SB10; mercury was detected at concentrations exceeding the Restricted-Residential RUSCOs and Protection of Groundwater in SB10 and SB11 and lead was detected at concentrations exceeding the Restricted-Residential RUSCOs and Protection of Groundwater in SB08 and SB11. Three pesticides including 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected above the Unrestricted Use SCOs in three soil borings (SB03, SB04, and SB09). Herbicides, PFAS, and PCBs were not detected above the SCOs in any of the soil samples collected. The presence of metals, SVOCs, and pesticides in samples collected at the site are indicative of the quality of fill material and may also be attributed to historical onsite operations.

Total metals, including barium, magnesium, manganese, and/or sodium, were detected in exceedance of the NYSDEC SGVs in all three monitoring wells (MW02 through MW04). Detections of total barium in groundwater is likely attributable to sediment entrainment in the samples as barium was not detected above the SGVs in the dissolved metals analysis; the remaining metals detected above the SGVs are likely the result of natural background conditions. The SVOC 1,4-dioxane was detected above the SGV in MW03 and MW04. PFOA was detected in all three monitoring wells above the NYSDEC screening values. As 1,4-dioxane and PFOA were not detected in soil above the NYSDEC SCOs, these detections in groundwater may be attributed to an unknown source. Herbicides and PCBs were not detected above the SGVs in any of the groundwater samples collected.

Chlorinated VOCs were not detected in soil vapor samples exceeding the NYSDOH Soil Vapor/Indoor Air Decision Matrices A through C, with the exception of 1,1,1-TCA in SV03, which was detected at a concentration requiring mitigation according to NYSDOH Soil Vapor Intrusion Matrix B. As chlorinated VOCs were not detected in soil above the NYSDEC SCOs or in groundwater above the NYSDEC SGVs, the detection of 1,1,1-TCA in soil vapor is attributed to an unknown source.

Based on the soil analytical results, the presence of fill contaminated with metals, SVOCs, and pesticides up to 5 feet bgs was identified across the site footprint, and up to 7 feet bgs in the northwestern corner of the site. The presence of contaminated fill will require special handling and disposal requirements during disturbance of this material during future site work.

The presence of 1,1,1-TCA in soil vapor in SV03 is attributed to an unknown chlorinated VOC source.

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB01	SB01	SB02	SB03	SB03	SB04	SB04	SB07	SB07	SB07	SB08
					Sample Name	SB01_2-4	SB01_7.5-9.5	SB02_3-5	SB03_0-2	SB03_3-5	SB04_0-2	SB04_6-8	SB07_1-3	SB07_3-5	SB07_8-10	SB08_1-3
					Sample Date	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023
					Sample Depth	2-4	7.5-9.5	3-5	0-2	3-5	0-2	6-8	1-3	3-5	8-10	1-3
					Unit	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	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.0054 UJ	<0.0027 UJ	<0.0047 UJ	<0.0056 U	<0.0069 UJ	<0.0043 UJ	<0.0038 UJ	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	52	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	8.4	52	ma/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.11 U	<0.055 U	<0.094 U	<0.11 U	<0.14 U	<0.086 U	<0.076 U	<0.091 U	<0.14 U	<8.8 U	<0.1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
2-Chlorotoluene	95-49-8	NS	NS	NS	ma/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Acetone	67-64-1	0.05	0.05	100	mg/kg	0.054	0.0069	0.018	<0.011 U	0.029 J	0.026	0.0068 J	0.021 J	<0.014 U	<0.88 U	0.015 J
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.011 U	<0.0055 U	<0.0094 U	<0.011 U	<0.014 U	<0.0086 U	<0.0076 U	<0.0091 U	<0.014 U	<0.88 U	<0.01 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Bromobenzene	108-86-1	NS	NS	NS	ma/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	0.0022 J	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	ma/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U	<0.0069 U	<0.0043 U	<0.0038 U	<0.0045 U	<0.007 U	<0.44 U	<0.0051 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0054 U	<0.0027 U	<0.0047 U	<0.0056 U							

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB01	SB01	SB02	SB03	SB03	SB04	SB04	SB07	SB07	SB07	SB08
					Sample Name	SB01_2-4	SB01_7.5-9.5	SB02_3-5	SB03_0-2	SB03_3-5	SB04_0-2	SB04_6-8	SB07_1-3	SB07_3-5	SB07_8-10	SB08_1-3
					Sample Date	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023	
					Sample Depth	2-4	7.5-9.5	3-5	0-2	3-5	0-2	6-8	1-3	3-5	8-10	1-3
Unit																
Result																
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	0.065 JD	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.0198 U	<0.0187 U	<0.0187 U	<0.0198 U	<0.0185 U	<0.0189 U	<0.019 U	<0.0187 U	<0.0192 U	<0.0189 U	<0.0198 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	0.344 D	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	13.5 D	<0.0907 U	0.128 D	0.809 D	0.161 D	<0.0945 U	<0.0903 U	0.0652 JD	0.145 D	13.8 D	0.514 D
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	0.125 D	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	0.313 D	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.186 U	<0.181 U	<0.188 U	<0.455 U	<0.214 U	<0.189 U	<0.18 U	<0.181 U	<0.188 U	<0.194 U	<0.178 U
Acenaphthene	83-32-9	20	98	100	mg/kg	21 D	<0.0907 U	0.408 D	0.541 D	0.355 D	0.165 D	<0.0903 U	0.104 D	0.187 D	1.91 D	1.27 D
Acenaphthylene	208-96-8	100	107	100	mg/kg	7.83 D	<0.0907 U	0.109 D	0.215 JD	0.0565 JD	0.0869 JD	<0.0903 U	0.0913 D	0.275 D	0.539 D	0.455 D
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.374 U	<0.363 U	<0.377 U	<0.912 U	<0.429 U	<0.378 U	<0.361 U	<0.363 U	<0.377 U	<0.389 U	<0.356 U
Anthracene	120-12-7	100	1000	100	mg/kg	58.9 D	<0.0907 U	1.14 D	1.46 D	0.559 D	0.288 D	<0.0903 U	0.468 D	1.1 D	0.398 D	4.01 D
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.0933 U	<0.0907 U	<0.0942 U	<0.228 U	<0.107 U	<0.0945 U	<0.0903 U	<0.0907 U	<0.0942 U	<0.0971 U	<0.0889 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.374 U	<0.363 U	<0.377 U	<0.912 U	<0.429 U	<0.378 U	<0.361 U	<0.363 U	<0.377 U	<0.389 U	<0.356 U
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	69.4 D	<0.0907 U	2.5 D	3.72 D	1.17 D	0.684 D	<0.0903 U	2.22 D	2.81 D	0.148 D	11 D
Benzo(a)pyrene	50-32-8	1	22	1	mg/kg	64.6 D	<0.0907 U	2.06 D	3.75 D	1.03 D						

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB01	SB01	SB02	SB03	SB03	SB04	SB04	SB07	SB07	SB07	SB08
					Sample Name	SB01_2-4	SB01_7.5-9.5	SB02_3-5	SB03_0-2	SB03_3-5	SB04_0-2	SB04_6-8	SB07_1-3	SB07_3-5	SB07_8-10	SB08_1-3
					Sample Date	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023
					Sample Depth	2-4	7.5-9.5	3-5	0-2	3-5	0-2	6-8	1-3	3-5	8-10	1-3
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	0.00676 D	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	0.00244 D	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
4,4'-DDT	50-29-3	0.0033	136	7.9	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	0.00438 D	<0.00217 U	<0.00188 U	<0.0018 U	0.00206 D	<0.00188 U	<0.00192 U	<0.00176 U
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	0.00226 D	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0367 U	<0.0363 U	<0.037 U	<0.0363 U	<0.0434 U	<0.0375 U	<0.0359 U	<0.0362 U	<0.0376 U	<0.0384 U	<0.0352 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	0.00326 D	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	0.00196 D	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Gamma-Chlordane	5566-34-7	NS	NS	NS	ma/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	0.00233 D	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00183 U	<0.00181 U	<0.00185 U	<0.00181 U	<0.00217 U	<0.00188 U	<0.0018 U	<0.00181 U	<0.00188 U	<0.00192 U	<0.00176 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.183 U	<0.181 U	<0.185 U	<0.181 U	<0.217 U	<0.188 U	<0.18 U	<0.181 U	<0.188 U	<0.192 U	<0.176 U
Herbicides																
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0223 U	<0.0219 U	<0.0227 U	<0.0219 U	<0.0265 U	<0.0228 U	<0.0219 U	<0.022 U	<0.0229 U	<0.023 U	<0.021 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0223 U	<0.0219 U	<0.0227 U	<0.0219 U	<0.0265 U	<0.0228 U	<0.0219 U	<0.022 U	<0.0229 U	<0.023 U	<0.021 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	<0.0223 U	<0.0219 U	<0.0227 U	<0.0219 U	<0.0265 U	<0.0228 U	<0.0219 U	<0.022 U	<0.0229 U	<0.023 U	<0.021 U
Polychlorinated Biphenyl																
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	ma/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	<0.0185 U	<0.0183 U	<0.0187 U	<0.0183 U	<0.0219 U	<0.0189 U	<0.0181 U	<0.0183 U	<0.019 U	<0.0194 U	<0.0178 U
Metals																
Aluminum	7429-90-5	NS	NS	NS	mg/kg	14,000	4,240	8,760	6,130	6,320	11,500	9,040	8,030	3,750	6,890	6,620
Antimony	7440-36-0	NS	NS	NS	mg/kg	25.4	3.25	11.6	38	5.36	4.93	7.4	13.2	31.3	4.74	14.4
Arsenic	7440-38-2	13	16	16	mg/kg	52	4.08	27.9	70.9	15.8	14.1	12.5	30.6	59.6	7.89	36.9
Barium	7440-39-3	350	820	400	mg/kg	106	23.4	100	357	53.2	318	57.8	177	145	43.9	331
Beryllium	7440-41-7	7.2	47	72	mg/kg	0.451	0.115	0.261	0.989	0.169	0.255	0.098	0.289	0.277	0.115	0.367
Cadmium	7440-43-9	2.5	7.5	4.3	mg/kg	<0.281 U	<0.278 U	<0.283 U	<0.28 U	<0.331 U	0.354	<0.277 U	<0.275 U	<0.286 U	<0.292 U	1.1
Calcium	7440-70-2	NS	NS	NS	ma/kg	4,280	4,770	5,800	9,500	1,790	18,400	1,240	3,780	1,600	1,460	2,850
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	<0.561 U	<0.557 U	<0.567 U	<0.559 U	<0.662 U	<0.57 U	<0.554 U	<0.551 U	<0.572 U	<0.584 U	<0.535 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	32.9	8.89	16.9	25.6	12.3	24.1	17.4	18.4	12.5	13.7	19.6
Chromium, Trivalent	16065-83-1	30	NS	180	mg/kg	32.9	8.89	16.9	25.6	12.3	24.1	17.4	18.4	12.5	13.7	19.6
Cobalt	7440-48-4	NS	NS	NS	mg/kg	14.7	3.86	10.3	14.5							

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB01	SB01	SB02	SB03	SB03	SB04	SB04	SB07	SB07	SB07	SB08
					Sample Name	SB01_2-4	SB01_7.5-9.5	SB02_3-5	SB03_0-2	SB03_3-5	SB04_0-2	SB04_6-8	SB07_1-3	SB07_3-5	SB07_8-10	SB08_1-3
					Sample Date	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/18/2023	07/19/2023	07/19/2023	07/19/2023	07/19/2023
					Sample Depth	2-4	7.5-9.5	3-5	0-2	3-5	0-2	6-8	1-3	3-5	8-10	1-3
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids																
11-Chloroeicosfluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000846 UJ	<0.000838 UJ	<0.000849 UJ	<0.000839 UJ	<0.000998 UJ	<0.000852 UJ	<0.000829 UJ	<0.00082 UJ	<0.000856 UJ	<0.000873 U	<0.000798 U
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	NS	NS	mg/kg	<0.000839 UJ	<0.000832 U	<0.000842 UJ	<0.000832 U	<0.00099 UJ	<0.000845 UJ	<0.000822 U	<0.000813 U	<0.000849 U	<0.000866 U	<0.000791 UJ
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	<0.00112 UJ	<0.00111 U	<0.00112 U	<0.00111 U	<0.00132 U	<0.00113 U	<0.0011 U	<0.00108 U	<0.00113 U	<0.00115 U	<0.00105 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000846 UJ	<0.000838 U	<0.000849 U	<0.000839 U	<0.000998 U	<0.000852 U	<0.000829 U	<0.00082 U	<0.000856 U	<0.000873 U	<0.000798 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	<0.00559 UJ	<0.00554 U	<0.00561 U	<0.00555 U	<0.0066 U	<0.00563 U	<0.00548 U	<0.00542 U	<0.00566 U	<0.00577 U	<0.00527 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	<0.00559 UJ	<0.00554 U	<0.00561 UJ	<0.00555 U	<0.0066 UJ	<0.00563 UJ	<0.00548 U	<0.00542 U	<0.00566 U	<0.00577 UJ	<0.00527 UJ
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000837 UJ	<0.00083 UJ	<0.00084 UJ	<0.00083 UJ	<0.000988 UJ	<0.000843 UJ	<0.00082 UJ	<0.000811 UJ	<0.000847 UJ	<0.000863 U	<0.000789 U
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 UJ	<0.000222 U	<0.000264 UJ	<0.000225 UJ	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 UJ	<0.000211 UJ
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 UJ	<0.000211 UJ
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	<0.00224 UJ	<0.00222 U	<0.00225 U	<0.00222 U	<0.00264 U	<0.00225 U	<0.00219 U	<0.00217 U	<0.00227 U	<0.00231 U	<0.00211 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 UJ	<0.000222 U	<0.000264 UJ	<0.000225 UJ	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 UJ
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	<0.00224 UJ	<0.00222 U	<0.00225 U	<0.00222 U	<0.00264 U	<0.00225 U	<0.00219 U	<0.00217 U	<0.00227 U	<0.00231 U	<0.00211 U
Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000447 UJ	<0.000444 U	<0.000449 UJ	<0.000444 U	<0.000528 U	<0.000451 UJ	<0.000439 U	<0.000434 U	<0.000453 U	<0.000462 U	<0.000422 UJ
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000398 UJ	<0.000395 U	<0.0004 U	<0.000395 U	<0.00047 UJ	<0.000401 U	<0.00039 U	<0.000386 U	<0.000403 U	<0.000411 U	<0.000376 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000447 UJ	<0.000444 UJ	<0.000449 UJ	<0.000444 UJ	<0.000528 UJ	<0.000451 UJ	<0.000439 UJ	<0.000434 UJ	<0.000453 UJ	<0.000462 U	<0.000422 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000447 UJ	<0.000444 U	<0.000449 U	<0.000444 U	<0.000528 U	<0.000451 U	<0.000439 U	<0.000434 U	<0.000453 U	<0.000462 U	<0.000422 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	ma/kg	<0.000198 UJ	<0.000196 U	<0.000199 U	<0.000196 U	<0.000234 UJ	<0.000199 U	<0.000194 U	<0.000192 U	<0.0002 U	<0.000204 U	<0.000187 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000895 UJ	<0.000887 UJ	<0.000898 U	<0.000887 UJ	<0.00106 U	<0.000902 U	<0.000877 UJ	<0.000868 UJ	<0.000906 UJ	<0.000923 U	<0.000844 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000216 UJ	<0.000214 U	<0.000217 UJ	<0.000214 U	<0.000255 UJ	<0.000218 UJ	<0.000212 U	<0.000209 U	<0.000219 U	<0.000223 U	<0.000204 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 UJ	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 UJ
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	<0.000217 UJ	<0.000215 U	<0.000218 UJ	<0.000215 U	<0.000256 UJ	<0.000219 UJ	<0.000213 U	<0.00021 U	<0.00022 U	<0.000224 U	<0.000205 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 UJ	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000205 UJ	<0.000203 U	<0.000205 U	<0.000203 U	<0.000242 UJ	<0.000206 U	<0.000201 U	<0.000198 U	<0.000207 U	<0.000211 U	<0.000193 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	0.0000711 J	<0.000222 U	<0.000225 UJ	<0.000222 U	<0.000264 U	<0.000225 UJ	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	0.000113 J
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000215 UJ	<0.000213 U	<0.000216 UJ	<0.000213 U	<0.000254 U	<0.000216 U	<0.000211 U	<0.000208 U	<0.000217 U	<0.000222 U	<0.000203 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.001	0.044	mg/kg	<0.000208 UJ	<0.000206 U	<0.000209 UJ	<0.000206 U	<0.000246 U	<0.00021 U	<0.000204 U	<0.000202 U	<0.000211 U	<0.000215 U	<0.000196 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	<0.00021 UJ	<0.000208 U	<0.000211 U	<0.000209 U	<0.000248 UJ	<0.000212 U	<0.000206 U	<0.000204 U	<0.000213 U	<0.000217 U	<0.000198 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000447 UJ	<0.000444 UJ	<0.000449 U	<0.000444 UJ	<0.000528 U	<0.000451 U	<0.000439 UJ	<0.000434 UJ	<0.000453 UJ	<0.000462 U	0.00179 J
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	ma/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000224 UJ	<0.000222 U	<0.000225 U	<0.000222 U	<0.000264 U	<0.000225 U	<0.000219 U	<0.000217 U	<0.000227 U	<0.000231 U	<0.000211 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000859 UJ	<0.000852 U	<0.000862 U	<0.000852 U	<0.00101 U	<0.000866 UJ	<0.000842 U	<0.000833 U	<0.00087 U	<0.000886 U	<0.00081 UJ
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.00085 UJ	<0.000843 U	<0.000853 UJ	<0.000843 U	<0.001 UJ	<0.000856 UJ	<0.000833 U	<0.000824 U	<0.000861 U	<0.000877 U	<0.000802 UJ
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	<0.000895 UJ	<0.000887 U	<0.000898 U	<0.000887 U	<0.00106 U	<0.000902 U	<0.000877 U	<0.000868 U	<0.000906 U	<0.000923 U	<0.000844 U

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB08	SB08	SB09	SB09	SB09	SB10	SB10	SB11	SB11
					Sample Name	SB08_3-5	SB08_7-9	SB09_0-2	DUP02_072023	SB09_3-5	SB10_1-3	SB10_5-7	SB11_3-5	SB11_7-9
					Sample Date	07/19/2023	07/19/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023
					Sample Depth	3-5	7-9	0-2	0-2	3-5	1-3	5-7	3-5	7-9
					Unit	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	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	52	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	8.4	52	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.13 U	<0.088 U	<0.07 U	<0.084 U	<0.096 U	<0.13 U	<0.076 U	<0.11 U	<0.097 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Acetone	67-64-1	0.05	0.05	100	mg/kg	<0.013 U	0.018 J	0.013 J	0.022 J	0.034 J	0.03 J	0.089	0.029 J	<0.0097 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.013 U	<0.0088 U	<0.007 U	<0.0084 U	<0.0096 U	<0.013 U	<0.0076 U	<0.011 U	<0.0097 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	0.0046 J	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Cis-1,2-Dichloroethene	156-59-2	0.25	0.25	100	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U	<0.0042 U	<0.0048 U	<0.0067 U	<0.0038 U	<0.0055 U	<0.0048 U
Ethylbenzene	100-41-4	1	1	41	mg/kg	<0.0067 U	<0.0044 U	<0.0035 U						

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB08	SB08	SB09	SB09	SB09	SB10	SB10	SB11	SB11
					Sample Name	SB08_3-5	SB08_7-9	SB09_0-2	DUP02_072023	SB09_3-5	SB10_1-3	SB10_5-7	SB11_3-5	SB11_7-9
					Sample Date	07/19/2023	07/19/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023
					Sample Depth	3-5	7-9	0-2	0-2	3-5	1-3	5-7	3-5	7-9
					Unit	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	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.0198 U	<0.0192 U	<0.0198 U	<0.019 U	<0.0198 U	<0.0192 U	<0.0189 U	<0.0183 U	<0.0183 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	0.133 JD	<0.0918 U	<0.0908 U	<0.0985 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	ma/kg	0.171 D	<0.088 U	<0.675 U	<0.879 U	<0.447 U	3.07 D	<0.0918 U	0.128 D	<0.0985 U
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	0.0895 JD	<0.0918 U	<0.0908 U	<0.0985 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	0.18 D	<0.0918 U	<0.0908 U	<0.0985 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
4-Nitroaniline	100-01-6	NS	NS	NS	ma/kg	<0.184 UJ	<0.176 UJ	<1.35 U	<1.76 U	<0.894 UJ	<0.349 U	<0.183 U	<0.181 U	<0.197 UJ
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.184 U	<0.176 U	<1.35 U	<1.76 U	<0.894 U	<0.349 U	<0.183 U	<0.181 U	<0.197 U
Acenaphthene	83-32-9	20	98	100	mg/kg	0.731 D	<0.088 U	0.432 JD	<0.879 U	<0.447 U	6.11 D	0.26 D	0.496 D	0.109 D
Acenaphthylene	208-96-8	100	107	100	mg/kg	0.0699 JD	<0.088 U	<0.675 U	<0.879 U	<0.447 U	2.26 D	<0.0918 U	0.514 D	<0.0985 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.369 U	<0.353 U	<2.7 U	<3.52 U	<1.79 U	<0.7 U	<0.368 U	<0.363 U	<0.395 U
Anthracene	120-12-7	100	1000	100	mg/kg	1.5 D	<0.088 U	1.09 D	<0.879 U	<0.447 U	13.5 D	0.601 D	1.27 D	0.246 D
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.369 U	<0.353 U	<2.7 U	<3.52 U	<1.79 U	<0.7 U	<0.368 U	<0.363 U	<0.395 U
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	2.76 D	<0.088 U	1.81 D	0.745 JD	0.286 JD	20.4 D	1.52 D	4.66 D	0.522 D
Benzo(a)pyrene	50-32-8	1	22	1	mg/kg	2.3 D	<0.088 U	1.97 D	0.836 JD	0.293 JD	22.5 D	2.75 D	4.53 D	0.436 D
Benzo(b)fluoranthene	205-99-2	1	1.7	1	mg/kg	2.13 D	<0.088 U	2.26 D	0.956 D	0.283 JD	22.8 J	2.73 D	5.43 D	0.399 D
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	1.12 D	<0.088 U	1.28 D	0.597 JD	0.258 JD	12.3 D	2.05 D	2.47 D	0.286 D
Benzo(k)fluoranthene	207-08-9	0.8	1.7	3.9	mg/kg	1.69 D	<0.088 U	0.831 D	<0.879 U	0.24 JD	8.57 D	0.931 D	1.8 D	0.354 D
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U	<0.0908 U	<0.0985 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	0.064 JD	<0.088 U	<0.675 U	<0.879 U	<0.447 U	0.745 D	<0.0918 U	<0.0908 U	<0.0985 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.092 U	<0.088 U	<0.675 U	<0.879 U	<0.447 U	<0.175 U	<0.0918 U		

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Soil Sample Analytical Results

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB08	SB08	SB09	SB09	SB10	SB10	SB11	SB11	
					Sample Name	SB08_3-5	SB08_7-9	SB09_0-2	DUP02_07/2023	SB09_3-5	SB10_1-3	SB10_5-7	SB11_3-5	SB11_7-9
					Sample Date	07/19/2023	07/19/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023
					Sample Depth	3-5	7-9	0-2	0-2	3-5	1-3	5-7	3-5	7-9
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	
Pesticides														
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	0.00239 J	<0.00183 U	<0.00176 U	<0.00194 U
4,4'-DDE	72-55-9	0.0033	17	8.9	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	0.00374 D	0.00261 J	<0.00183 U	<0.00176 U	<0.00194 U
4,4'-DDT	50-29-3	0.0033	136	7.9	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	0.00436 J	<0.0023 UJ	<0.00183 U	0.00261 J	<0.00194 U
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	0.00283 J	<0.00183 U	<0.00176 U	<0.00194 U
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0367 U	<0.0354 U	<0.0353 U	<0.0354 U	<0.0353 U	<0.046 UJ	<0.0366 U	<0.0352 U	<0.0389 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	<0.00183 U	<0.00177 U	<0.00176 UJ	<0.00177 UJ	<0.00176 U	0.00236 J	<0.00183 U	<0.00176 U	<0.00194 U
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00183 U	<0.00177 U	<0.00176 U	<0.00177 U	<0.00176 U	<0.0023 UJ	<0.00183 U	<0.00176 U	<0.00194 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.183 U	<0.177 U	<0.176 U	<0.177 U	<0.176 U	<0.23 UJ	<0.183 U	<0.176 U	<0.194 U
Herbicides														
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.0223 U	<0.0215 U	<0.0212 UJ	<0.0214 U	<0.0214 U	<0.0272 U	<0.0219 U	<0.0216 U	<0.0233 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.0223 U	<0.0215 U	<0.0212 UJ	<0.0214 U	<0.0214 U	<0.0272 U	<0.0219 U	<0.0216 U	<0.0233 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	<0.0223 U	<0.0215 U	<0.0212 UJ	<0.0214 U	<0.0214 U	<0.0272 U	<0.0219 U	<0.0216 U	<0.0233 U
Polychlorinated Biphenyl														
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	<0.0185 U	<0.0179 U	<0.0178 U	<0.0179 U	<0.0178 U	<0.0232 U	<0.0185 U	<0.0178 U	<0.0196 U
Metals														
Aluminum	7429-90-5	NS	NS	NS	mg/kg	2,670	4,700	9,790	9,240	8,230	8,360	5,450	5,950	5,040
Antimony	7440-36-0	NS	NS	NS	mg/kg	12.7	4.02	3.15 J	<2.25 U	<2.24 U	5.83	<2.32 U	6.49	4.59
Arsenic	7440-38-2	13	16	16	mg/kg	18.5	3.52	13.4 J	10.4	11.2	14.5	7.87	21.3	6.34
Barium	7440-39-3	350	820	400	mg/kg	65.7	21.4	119 J	97	74.3	99.9	58.4	125	43
Beryllium	7440-41-7	7.2	47	72	mg/kg	0.063	0.096	0.31 J	0.424	0.115	0.274	0.111	0.33	0.089
Cadmium	7440-43-9	2.5	7.5	4.3	mg/kg	<0.279 U	<0.269 U	<0.271 U	<0.27 U	<0.269 U	<0.351 U	<0.278 U	<0.273 U	<0.295 U
Calcium	7440-70-2	NS	NS	NS	mg/kg	805	924	43,600 J	64,300	48,800	38,100	56,200	2,390	4,300
Chromium, Hexavalent	18540-29-9	1	19	110	mg/kg	<0.557 U	<0.538 U	<0.541 U	<0.539 U	<0.538 U	<0.701 U	<0.556 U	<0.546 U	<0.591 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	7.73	8.77	21 J	16.4	16	39.9	18	19.5	10.6
Chromium, Trivalent	16065-83-1	30	NS	180	mg/kg	7.73	8.77	21	16.4	16	39.9	18	19.5	10.6
Cobalt	7440-48-4	NS	NS	NS	mg/kg	8.44	3.98	9.01 J	7.75	6.67	9.06	5.2	8.23	5.54
Copper	7440-50-8	50	1720	270	mg/kg	44.7	8.95	48.5 J	47.2 J	32.4	69.8 J	20.7	198 J	16.1
Iron	7439-89-6	NS	NS	NS	mg/kg	28,200	9,080	26,100 J	17,400	14,300	23,800	11,100	24,100	11,000
Lead	7439-92-1	63	450	400	mg/kg	147	13.5	117	106	89.9	300	61.9	677	33.6
Magnesium	7439-95-4	NS	NS	NS	mg/kg	432	1,460	6,320 J	15,500	5,940	10,300	14,900	1,420	2,100
Manganese	7439-96-5	1600	2000	2000	mg/kg	235	204	651 J	336	249	400	215	298	368
Mercury	7439-97-6	0.18	0.73	0.81	mg/kg	0.636	<0.0323 U	0.177	0.197	0.102	0.927	0.276	1.6	0.0697
Nickel	7440-02-0	30	130	310	mg/kg	15.9	8.12	22.6 J	20.2	17.4	25.8	12.2	17.5	9.36
Potassium	7440-09-7	NS	NS	NS	mg/kg	385	500	1,420	1,300 B	1,750	1,270	864	709	644
Selenium	7782-49-2	3.9	4	180	mg/kg	<2.32 UJ	<2.24 UJ	<2.26 U	<2.25 U	<2.24 UJ	<2.92 U	3.9 J	<2.27 U	<2.46 UJ
Silver	7440-22-4	2	8.3	180	mg/kg	<0.468 U	<0.452 U	<0.455 UJ	<0.453 U	<0.452 U	<0.589 U	<0.467 U	<0.459 U	<0.496 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	71	131	661	519	638	716	453	312	119
Thallium	7440-28-0	NS	NS	NS	mg/kg	20.4	4.35	13.9 J	8.64	6.8	10.8	7.91	13.1	5.15
Vanadium	7440-62-2	NS	NS	NS	mg/kg	15.3	11.9	45.9 J	55.1	34.8	30.4	22.1	22.8	14
Zinc	7440-66-6	109	2480	10000	mg/kg	223	150	125	108	52.8	141	44.7	121	73.7
General Chemistry														
Cyanide	57-12-5	27	40	27	ma/kg	<0.557 U	<0.538 U	0.758	<0.539 U	<0.538 U	1.05	<0.556 U	<0.546 U	<0.591 U
Solids, Percent	SOLID	NS	NS	NS	Percent	89.7	92.9	92.4	92.7	92.9	71			

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

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	Location	SB08	SB08	SB09	SB09	SB09	SB10	SB10	SB11	SB11
					Sample Name	SB08_3-5	SB08_7-9	SB09_0-2	DUP02_072023	SB09_3-5	SB10_1-3	SB10_5-7	SB11_3-5	SB11_7-9
					Sample Date	07/19/2023	07/19/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023	07/20/2023
					Sample Depth	3-5	7-9	0-2	0-2	3-5	1-3	5-7	3-5	7-9
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Perfluorooctanoic acids														
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000836 UJ	<0.000801 UJ	<0.000815 U	<0.000811 U	<0.000806 UJ	<0.00105 U	<0.00083 UJ	<0.000817 U	<0.000884 UJ
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	NS	NS	mg/kg	<0.000829 U	<0.000795 U	<0.000809 U	<0.000804 U	<0.0008 U	<0.00104 UJ	<0.000824 U	<0.000811 UJ	<0.000877 UJ
3:3 FTCA	356-02-5	NS	NS	NS	mg/kg	<0.00111 U	<0.00106 U	<0.00108 U	<0.00107 U	<0.00107 U	<0.00139 U	<0.0011 U	<0.00108 U	<0.00117 U
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000836 U	<0.000801 U	<0.000815 U	<0.000811 U	<0.000806 U	<0.00105 U	<0.00083 U	<0.000817 U	<0.000884 U
5:3 FTCA	914637-49-3	NS	NS	NS	mg/kg	<0.00553 U	<0.0053 U	<0.00539 U	<0.00536 U	<0.00533 U	<0.00696 U	<0.00549 U	<0.00541 U	<0.00585 U
7:3 FTCA	812-70-4	NS	NS	NS	mg/kg	<0.00553 U	<0.0053 U	<0.00539 UJ	<0.00536 UJ	<0.00533 U	<0.00696 UJ	<0.00549 U	<0.00541 UJ	<0.00585 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000827 UJ	<0.000793 UJ	<0.000807 U	<0.000802 U	<0.000797 UJ	<0.00104 U	<0.000822 UJ	<0.000809 U	<0.000875 UJ
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 UJ	<0.000214 UJ	<0.000213 UJ	<0.000278 UJ	<0.00022 U	<0.000216 UJ	<0.000234 U
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	NS	NS	mg/kg	<0.00221 U	<0.00212 U	<0.00216 U	<0.00214 U	<0.00213 U	<0.00278 U	<0.0022 U	<0.00216 U	<0.00234 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 UJ	<0.000214 UJ	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 UJ	<0.000234 U
N-methylperfluorooctane sulfonamide	31506-32-8	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	NS	NS	mg/kg	<0.00221 U	<0.00212 U	<0.00216 U	<0.00214 U	<0.00213 U	<0.00278 U	<0.0022 U	<0.00216 U	<0.00234 U
Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000442 U	<0.000424 U	<0.000431 UJ	<0.000429 U	<0.000426 U	<0.000557 U	<0.000439 U	<0.000432 UJ	<0.000468 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000394 U	<0.000377 U	<0.000384 U	<0.000382 U	<0.00038 U	<0.000495 U	<0.000391 U	<0.000385 U	<0.000416 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000442 UJ	<0.000424 UJ	<0.000431 U	<0.000429 U	<0.000426 UJ	<0.000557 U	<0.000439 UJ	<0.000432 U	0.0000902 J
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000442 U	<0.000424 U	<0.000431 U	<0.000429 U	<0.000426 U	<0.000557 U	<0.000439 U	<0.000432 U	<0.000468 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000196 U	<0.000188 U	<0.000191 U	<0.00019 U	<0.000189 U	<0.000246 UJ	<0.000194 U	<0.000191 U	<0.000207 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000885 UJ	<0.000848 UJ	<0.000863 U	<0.000858 U	<0.000853 UJ	<0.00111 UJ	<0.000879 UJ	<0.000865 U	<0.000936 UJ
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000213 U	<0.000205 U	<0.000208 UJ	<0.000207 U	<0.000206 U	<0.000269 U	<0.000212 U	<0.000209 U	<0.000226 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 UJ	<0.000234 U
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	NS	NS	mg/kg	<0.000214 U	<0.000206 U	<0.000209 UJ	<0.000208 U	<0.000207 U	<0.00027 U	<0.000213 U	<0.00021 U	<0.000227 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 UJ	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 UJ	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000202 U	<0.000194 U	<0.000197 U	<0.000196 U	<0.000195 U	<0.000255 U	<0.000201 U	<0.000198 U	<0.000214 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	0.000153 J	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 UJ	<0.000234 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000212 U	<0.000203 U	<0.000207 UJ	<0.000206 U	<0.000205 U	<0.000267 U	<0.000211 U	<0.000208 U	<0.000225 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.001	0.044	mg/kg	<0.000206 U	<0.000197 U	<0.000201 UJ	<0.000199 U	<0.000198 U	<0.000259 U	<0.000204 U	<0.000201 U	<0.000218 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluoropentanesulfonic Acid	2706-91-4	NS	NS	NS	mg/kg	<0.000208 U	<0.000199 U	<0.000203 U	<0.000202 U	<0.0002 U	<0.000262 U	<0.000207 U	<0.000203 U	<0.00022 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000442 UJ	<0.000424 UJ	<0.000431 UJ	<0.000429 UJ	<0.000426 UJ	<0.000557 U	<0.000439 UJ	<0.000432 U	<0.000468 UJ
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000221 U	<0.000212 U	<0.000216 U	<0.000214 U	<0.000213 U	<0.000278 U	<0.00022 U	<0.000216 U	<0.000234 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000849 U	<0.000814 U	<0.000828 UJ	<0.000824 UJ	<0.000819 U	<0.00107 UJ	<0.000844 U	<0.00083 U	<0.000898 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.00084 U	<0.000806 U	<0.00082 UJ	<0.000815 UJ	<0.00081 U	<0.00106 UJ	<0.000835 U	<0.000822 U	<0.000889 U
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	NS	NS	mg/kg	<0.000885 U	<0.000848 U	<0.000863 UJ	<0.000858 U	<0.000853 U	<0.00111 U	<0.000879 U	<0.000865 U	<0.000936 U

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

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Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Notes:

CAS - Chemical Abstract Service

NS - No standard

mg/kg - milligram per kilogram

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 Unrestricted Use, Protection of Groundwater, and Restricted Use Restricted-Residential 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) Unrestricted Use, Restricted Use Restricted-Residential, and Protection of Groundwater 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 Unrestricted Use SCOs

10 - Result exceeds Protection of Groundwater SCOs

10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 2
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC SGVs	Location	MW02	MW02	MW03	MW04
			Sample Name	MW02_072523	DUP01_072523	MW03_072523	MW04_072523
			Sample Date	07/25/2023	07/25/2023	07/25/2023	07/25/2023
			Unit	Result	Result	Result	Result
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethane	75-34-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloropropene	563-58-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.5 U	<0.5 U	0.92	<0.5 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-Dichloropropane	142-28-9	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<80 U	<80 U	<80 U	<80 U
2,2-Dichloropropane	594-20-7	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-Chlorotoluene	95-49-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
4-Chlorotoluene	106-43-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Acetone	67-64-1	50	ug/l	<2 U	<2 U	2.05	1.66 J
Acrolein	107-02-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Acrylonitrile	107-13-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Benzene	71-43-2	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromobenzene	108-86-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromochloromethane	74-97-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
Bromoform	75-25-2	50	ug/l	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
Bromomethane	74-83-9	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Carbon Disulfide	75-15-0	60	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<0.5 U	<0.5 U	1.33	<0.5 U
Chloroethane	75-00-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chloroform	67-66-3	7	ug/l	<0.5 U	<0.5 U	<0.5 U	1.08 J
Chloromethane	74-87-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cyclohexane	110-82-7	NS	ug/l	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
Dibromochloromethane	124-48-1	50	ug/l	<0.5 U	<0.5 UJ	<0.5 UJ	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Ethylbenzene	100-41-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	6.91
M,P-Xylene	179601-23-1	5	ug/l	<1 U	<1 U	<1 U	<1 U
Methyl Acetate	79-20-9	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Methylcyclohexane	108-87-2	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	0.88
Methylene Chloride	75-09-2	5	ug/l	<2 U	<2 U	<2 U	<2 U
n-Butylbenzene	104-51-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	5.25
n-Propylbenzene	103-65-1	5	ug/l	<0.5 U	<0.5 U	<0.5 U	10.1
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.5 U	<0.5 U	<0.5 U	8.76
Styrene	100-42-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
T-Butylbenzene	98-06-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	0.75
Tert-Butyl Alcohol	75-65-0	NS	ug/l	<1 U	<1 U	<1 U	4.8
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	3.49	3.62	<0.5 U	22
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Toluene	108-88-3	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Total Xylenes	1330-20-7	5	ug/l	<1.5 U	<1.5 U	<1.5 U	<1.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Vinyl Acetate	108-05-4	NS	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Vinyl Chloride	75-01-4	2	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U

Table 2
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC SGVs	Location	MW02	MW02	MW03	MW04
			Sample Name	MW02_072523	DUP01_072523	MW03_072523	MW04_072523
			Sample Date	07/25/2023	07/25/2023	07/25/2023	07/25/2023
			Unit	Result	Result	Result	Result
Semi-Volatile Organic Compounds							
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
1,2-Diphenylhydrazine	122-66-7	0	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<0.3 U	<0.3 U	1.12	5.38
2,3,4,6-Tetrachlorophenol	58-90-2	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,4-Dichlorophenol	120-83-2	1	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,4-Dimethylphenol	105-67-9	1	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,4-Dinitrophenol	51-28-5	1	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,4-Dinitrotoluene	121-14-2	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2,6-Dinitrotoluene	606-20-2	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2-Chloronaphthalene	91-58-7	10	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2-Chlorophenol	95-57-8	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2-Methylnaphthalene	91-57-6	NS	ug/l	<5.13 U	<5.41 U	<5 U	38.1
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2-Nitroaniline	88-74-4	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
2-Nitrophenol	88-75-5	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
3-Nitroaniline	99-09-2	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
4-Chloroaniline	106-47-8	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
4-Nitroaniline	100-01-6	5	ug/l	<5.13 UJ	<5.41 UJ	<5 UJ	<5.13 UJ
4-Nitrophenol	100-02-7	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Acenaphthene	83-32-9	20	ug/l	0.297	0.259	<25 U	0.944
Acenaphthylene	208-96-8	NS	ug/l	0.0615	<0.0541 U	<25 U	0.605
Acetophenone	98-86-2	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Anthracene	120-12-7	50	ug/l	0.113 J	<0.0541 UJ	<25 U	<0.0513 U
Atrazine	1912-24-9	7.5	ug/l	<0.513 U	<0.541 U	<250 U	<0.513 U
Benzaldehyde	100-52-7	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Benidine	92-87-5	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Benzo(a)anthracene	56-55-3	0.002	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Benzo(a)pyrene	50-32-8	0	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Benzoic Acid	65-85-0	NS	ug/l	<5.13 UJ	<5.41 UJ	<5 UJ	<5.13 UJ
Benzyl Alcohol	100-51-6	NS	ug/l	<5.13 UJ	<5.41 UJ	<5 UJ	<5.13 UJ
Benzyl Butyl Phthalate	85-68-7	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Biphenyl (Diphenyl)	92-52-4	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Bis(2-ethylhexyl) phthalate	117-81-7	5	ug/l	3.03 J	2.15 J	<250 U	<0.513 U
Caprolactam	105-60-2	NS	ug/l	<5.13 UJ	<5.41 UJ	<5 UJ	<5.13 UJ
Carbazole	86-74-8	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Chrysene	218-01-9	0.002	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Dibenzofuran	132-64-9	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Dibutyl phthalate	84-74-2	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Diethyl phthalate	84-66-2	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Dimethyl phthalate	131-11-3	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Dioctyl phthalate	117-84-0	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Fluoranthene	206-44-0	50	ug/l	0.154	0.13	<25 U	0.0718
Fluorene	86-73-7	50	ug/l	<0.113 U	<0.0973 U	<25 U	1.5
Hexachlorobenzene	118-74-1	0.04	ug/l	<0.0205 U	<0.0216 U	<10 U	<0.0205 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.513 U	<0.541 U	<250 U	<0.513 U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	<10.3 U	<10.8 U	<10 U	<10.3 U
Hexachloroethane	67-72-1	5	ug/l	<0.513 U	<0.541 U	<250 U	<0.513 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	<0.0513 U	<0.0541 U	<25 U	<0.0513 U
Isophorone	78-59-1	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Naphthalene	91-20-3	10	ug/l	0.646 B	0.595 B	<25 U	5.12 B
Nitrobenzene	98-95-3	0.4	ug/l	<0.256 U	<0.27 U	<125 U	<0.256 U
n-Nitrosodimethylamine	62-75-9	NS	ug/l	<0.513 UJ	<0.541 UJ	<250 UJ	<0.513 UJ
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
n-Nitrosodiphenylamine	86-30-6	50	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Pentachlorophenol	87-86-5	1	ug/l	<0.256 U	<0.27 U	<125 U	<0.256 U
Phenanthrene	85-01-8	50	ug/l	0.421	0.389	<25 U	1.78
Phenol	108-95-2	1	ug/l	<5.13 U	<5.41 U	<5 U	<5.13 U
Pyrene	129-00-0	50	ug/l	0.154	0.13	<25 U	0.113
Pyridine	110-86-1	50	ug/l	<5.13 UJ	<5.41 UJ	<5 UJ	<5.13 UJ
Pesticides							
4,4'-DDD	72-54-8	0.3	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
4,4'-DDE	72-55-9	0.2	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
4,4'-DDT	50-29-3	0.2	ug/l	<0.004 U	<0.004 U	<0.00421 U	0.00887
Aldrin	309-00-2	0	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.01	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Alpha Chlordane	5103-71-9	NS	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Alpha Endosulfan	959-98-8	NS	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Beta Endosulfan	33213-65-9	NS	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Chlordane (alpha and gamma)	57-74-9	0.05	ug/l	<0.2 U	<0.2 U	<0.211 U	<0.205 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Dieldrin	60-57-1	0.004	ug/l	<0.002 U	<0.002 U	<0.00211 U	<0.00205 U
Endosulfan Sulfate	1031-07-8	NS	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Endrin	72-20-8	0	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Endrin Aldehyde	7421-93-4	5	ug/l	<0.01 U	<0.01 U	<0.0105 U	<0.0103 U
Endrin Ketone	53494-70-5	5	ug/l	<0.01 U	<0.01 U	<0.0105 U	<0.0103 U
Gamma Bhc (Lindane)	58-89-9	0.05	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Gamma-Chlordane	5566-34-7	NS	ug/l	<0.01 U	<0.01 U	<0.0105 U	<0.0103 U
Heptachlor	76-44-8	0.04	ug/l	<0.004 U	<0.004 U	<0.00421 U	0.0472
Heptachlor Epoxide	1024-57-3	0.03	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Methoxychlor	72-43-5	35	ug/l	<0.004 U	<0.004 U	<0.00421 U	<0.0041 U
Toxaphene	8001-35-2	0.06	ug/l	<0.1 U	<0.1 U	<0.105 U	<0.103 U
Herbicides							
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	35	ug/l	<5 UJ	<5 UJ	<5 UJ	<5 UJ
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	50	ug/l	<5 UJ	<5 UJ	<5 UJ	<5 UJ
Silvex (2,4,5-Tp)	93-72-1	0.26	ug/l	<5 UJ	<5 UJ	<5 UJ	<5 UJ
Polychlorinated Biphenyl							
PCB-1016 (Aroclor 1016)	12674-11-2	NS	ug/l	<0.05 U	<0.05 U	<0.0526 U	<0.0513 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	ug/l	<0.05 U	<0.05 U	<0.0526 U	<0.0513 U
PCB-1232 (Aroclor 1232)							

Table 2
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Analyte	CAS Number	NYSDEC SGVs	Location	MW02	MW02	MW03	MW04
			Sample Name	MW02_072523	DUP01_072523	MW03_072523	MW04_072523
			Sample Date	07/25/2023	07/25/2023	07/25/2023	07/25/2023
			Unit	Result	Result	Result	Result
Metals - Dissolved							
Aluminum	7429-90-5	NS	ug/l	<55.6 U	<55.6 U	<55.6 U	199
Antimony	7440-36-0	3	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Arsenic	7440-38-2	25	ug/l	1.2	1.44	<1.11 U	<1.11 U
Barium	7440-39-3	1000	ug/l	373	379	727	936
Beryllium	7440-41-7	3	ug/l	<0.333 U	<0.333 U	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U	<0.556 U	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	ug/l	228,000	233,000	232,000	329,000
Chromium, Total	7440-47-3	50	ug/l	7.82	8.11	6.05	<5.56 U
Cobalt	7440-48-4	NS	ug/l	7.23	6.9	<4.44 U	<4.44 U
Copper	7440-50-8	200	ug/l	<22.2 U	<22.2 U	<22.2 U	<22.2 U
Iron	7439-89-6	300	ug/l	<278 U	<278 U	1,180	<278 U
Lead	7439-92-1	25	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Magnesium	7439-95-4	35000	ug/l	64,100	64,700	211,000	88,700
Manganese	7439-96-5	300	ug/l	9,610	9,860	2,300	4,350
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Potassium	7440-09-7	NS	ug/l	36,300 B	36,700 B	77,300 B	41,200
Selenium	7782-49-2	10	ug/l	<1.11 U	<1.11 U	6.41	2.58 J
Silver	7440-22-4	50	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Sodium	7440-23-5	20000	ug/l	296,000	300,000	2,080,000 D	626,000
Thallium	7440-28-0	0.5	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Zinc	7440-66-6	2000	ug/l	<27.8 U	<27.8 U	<27.8 U	<27.8 U
Metals - Total							
Aluminum	7429-90-5	NS	ug/l	179	181	184	277
Antimony	7440-36-0	3	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Arsenic	7440-38-2	25	ug/l	5.08	4.83	3.17	6.86
Barium	7440-39-3	1000	ug/l	406	408	838	1,420
Beryllium	7440-41-7	3	ug/l	<0.333 U	<0.333 U	<0.333 U	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U	<0.556 U	<0.556 U	<0.556 U
Calcium	7440-70-2	NS	ug/l	229,000	222,000	237,000	329,000
Chromium, Hexavalent	18540-29-9	50	ug/l	<10 U	<10 U	<10 U	<10 U
Chromium, Total	7440-47-3	NS	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Chromium, Trivalent	16065-83-1	NS	ug/l	<10 U	<10 U	<10 U	<10 U
Cobalt	7440-48-4	NS	ug/l	5.42	5.17	<4.44 U	<4.44 U
Copper	7440-50-8	200	ug/l	<22.2 U	<22.2 U	<22.2 U	<22.2 U
Iron	7439-89-6	300	ug/l	12,300	12,900	47,900	52,500
Lead	7439-92-1	25	ug/l	<5.56 U	6.33	16.9	13.8
Magnesium	7439-95-4	35000	ug/l	64,000	63,200	211,000	87,600
Manganese	7439-96-5	300	ug/l	9,210	9,240	1,870	4,570
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Potassium	7440-09-7	NS	ug/l	37,900	37,800	80,400	41,600
Selenium	7782-49-2	10	ug/l	<1.11 U	<1.11 U	4.95	<1.11 U
Silver	7440-22-4	50	ug/l	<5.56 U	<5.56 U	<5.56 U	<5.56 U
Sodium	7440-23-5	20000	ug/l	285,000	285,000	939,000 D	651,000
Thallium	7440-28-0	0.5	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U	<11.1 U	<11.1 U	<11.1 U
Zinc	7440-66-6	2000	ug/l	27.9	32.8	<27.8 U	<27.8 U
General Chemistry							
Cyanide	57-12-5	200	ug/l	<10 U	<10 U	<10 U	<10 U
Perfluorooctanoic acids							
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	ug/l	<0.00752 UJ	<0.00785 UJ	<0.00791 UJ	<0.0077 UJ
1h,1h,2h,2h-Perfluorohexanesulfonic Acid (4:2)	757124-72-4	NS	ug/l	<0.00746 UJ	<0.00779 UJ	<0.00784 UJ	<0.00764 UJ
3:3 FTCA	356-02-5	NS	ug/l	<0.00497 UJ	<0.00519 UJ	<0.00523 UJ	<0.00509 UJ
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	ug/l	<0.00752 UJ	<0.00785 UJ	<0.00791 UJ	<0.0077 UJ
5:3 FTCA	914637-49-3	NS	ug/l	<0.0249 UJ	<0.026 UJ	<0.0261 UJ	<0.0255 UJ
7:3 FTCA	812-70-4	NS	ug/l	<0.0249 UJ	<0.026 UJ	<0.0261 UJ	<0.0255 UJ
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	ug/l	<0.00744 UJ	<0.00777 UJ	<0.00782 UJ	<0.00762 UJ
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
N-ethylperfluorooctane sulfonamide	4151-50-2	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
N-ethylperfluorooctane sulfonamidoe	1691-99-2	NS	ug/l	<0.0199 UJ	<0.0208 UJ	<0.0209 UJ	<0.0204 UJ
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
N-methylperfluorooctane sulfonamide	31506-32-8	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
N-methylperfluorooctanesulfonamidol	24448-09-7	NS	ug/l	<0.0199 UJ	<0.0208 UJ	<0.0209 UJ	<0.0204 UJ
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	ug/l	<0.00398 UJ	<0.00415 UJ	<0.00418 UJ	<0.00407 UJ
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	ug/l	<0.00354 UJ	<0.0037 UJ	<0.00372 UJ	<0.00362 UJ
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	ug/l	<0.00398 UJ	<0.00415 UJ	<0.00418 UJ	<0.00407 UJ
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	ug/l	<0.00398 UJ	<0.00415 UJ	<0.00418 UJ	<0.00407 UJ
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	ug/l	0.00424 J	0.00374 J	0.00941 J	0.00558 J
Perfluorobutanoic acid (PFBA)	375-22-4	NS	ug/l	0.0109 J	0.0123 J	<0.00837 UJ	0.0139 J
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	ug/l	<0.00192 UJ	<0.002 UJ	<0.00202 UJ	<0.00197 UJ
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
Perfluorododecanesulfonic Acid (PFDOS)	79780-39-5	NS	ug/l	<0.00193 UJ	<0.00201 UJ	<0.00203 UJ	<0.00198 UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	ug/l	<0.0019 UJ	<0.00198 UJ	<0.002 UJ	<0.00194 UJ
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	ug/l	0.00345 J	0.00266 J	0.0131 J	0.00928 J
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	ug/l	0.000893 J	<0.0019 UJ	<0.00191 UJ	0.00102 J
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	ug/l	0.00323 J	0.00331 J	0.0219 J	0.0113 J
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	ug/l	<0.00191 UJ	<0.00199 UJ	<0.00201 UJ	<0.00195 UJ
Perfluorononanoic Acid (PFNA)	375-95-1	NS	ug/l	<0.00199 UJ	<0.00208 UJ	0.00335 J	0.00331 J
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.0027	ug/l	<0.00185 UJ	<0.00193 UJ	<0.00195 UJ	<0.00189 UJ
Perfluorooctanoic Acid (PFOA)	335-67-1	0.0067	ug/l	0.0153 J	0.0181 J	0.0309 J	0.0373 J
Perfluoropentanesulfonic Acid	2706-91-4	NS	ug/l	<0.00187 UJ	<0.00195 UJ	<0.00197 UJ	<0.00191 UJ
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	ug/l	0.00511 J	0.00338 J	0.0351 J	0.0154 J
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
Perfluorotridecanoic Acid (PFTTrDA)	72629-94-8	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	ug/l	<0.00199 UJ	<0.00208 UJ	<0.00209 UJ	<0.00204 UJ
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	ug/l	<0.00764 UJ	<0.00798 UJ	<0.00803 UJ	<0.00782 UJ
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	ug/l	<0.00756 UJ	<0.00789 UJ	<0.00795 UJ	<0.00774 UJ
Tetrafluoro-2- (heptafluoropropoxy) propanoic Acid	13252-13-6	NS	ug/l	<0.00795 UJ	<0.00831 UJ	<0.00837 UJ	<0.00815 UJ

Table 2
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results

Page 4 of 4

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Notes:

CAS - Chemical Abstract Service

NS - No standard

ug/l - microgram per liter

RL - Reporting limit

<RL - Not detected

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

Qualifiers:

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

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 NYSDEC SGVs

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	SV02	SV03
			Sample Name	SV02_072423	SV03_072423
			Sample Date	07/24/2023	07/24/2023
			Sample Type	SV	SV
			Unit	Result	Result
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<1.1 U	<1.1 U
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<0.91 U	200 D
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.1 U	<1.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.3 U	<1.2 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<0.91 U	<0.88 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.67 U	3.3 D
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.16 U	<0.16 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.2 U	<1.2 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	1.3 D	4.3 D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.3 U	<1.2 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1 U	<0.97 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.67 U	<0.65 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.77 U	<0.74 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.2 U	<1.1 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.82 U	1.3 D
1,3-Butadiene	106-99-0	NS	ug/m3	<1.1 U	<1.1 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1 U	<0.97 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	<0.77 U	<0.74 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1 U	<0.97 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<1.2 U	<1.2 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<1.4 U	<1.3 U
4-Ethyltoluene	622-96-8	NS	ug/m3	1.1 D	2.9 D
Acetone	67-64-1	NS	ug/m3	18 D	40 D
Acrylonitrile	107-13-1	NS	ug/m3	<0.36 U	1.9 D
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<2.6 U	<2.5 U
Benzene	71-43-2	NS	ug/m3	2 D	<0.51 U
Benzyl Chloride	100-44-7	NS	ug/m3	<0.86 U	<0.83 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.1 U	<1.1 U
Bromoethene	593-60-2	NS	ug/m3	<0.73 U	<0.7 U
Bromoform	75-25-2	NS	ug/m3	<1.7 U	<1.7 U
Bromomethane	74-83-9	NS	ug/m3	<0.64 U	<0.62 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.52 U	16 D
Carbon Tetrachloride	56-23-5	6	ug/m3	1 D	1 D
Chlorobenzene	108-90-7	NS	ug/m3	<0.76 U	<0.74 U
Chloroethane	75-00-3	NS	ug/m3	<0.44 U	<0.42 U
Chloroform	67-66-3	NS	ug/m3	200 D	3.8 D
Chloromethane	74-87-3	NS	ug/m3	<0.34 U	<0.33 U
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	<0.16 U	<0.16 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.75 U	<0.73 U
Cyclohexane	110-82-7	NS	ug/m3	0.63 D	5.9 D
Dibromochloromethane	124-48-1	NS	ug/m3	<1.4 U	<1.4 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.2 D	2.1 D
Ethyl Acetate	141-78-6	NS	ug/m3	1.5 D	<1.2 U
Ethylbenzene	100-41-4	NS	ug/m3	1.1 D	1.5 D
Hexachlorobutadiene	87-68-3	NS	ug/m3	<1.8 U	<1.7 U
Isopropanol	67-63-0	NS	ug/m3	17 BD	15 BD
M,P-Xylene	179601-23-1	NS	ug/m3	3.9 D	5 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	2 D	6.4 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	1.1 D	<0.66 U
Methyl Methacrylate	80-62-6	NS	ug/m3	<0.68 U	<0.66 U
Methylene Chloride	75-09-2	100	ug/m3	<1.2 U	<1.1 U
n-Heptane	142-82-5	NS	ug/m3	<0.68 U	22 D
n-Hexane	110-54-3	NS	ug/m3	1.6 D	64 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	1.3 D	2.2 D
Propylene	115-07-1	NS	ug/m3	<0.29 U	130 D
Styrene	100-42-5	NS	ug/m3	<0.71 U	<0.69 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.6 U	<0.58 U
Tetrachloroethene (PCE)	127-18-4	100	ug/m3	1.7 D	15 D
Tetrahydrofuran	109-99-9	NS	ug/m3	2 D	<0.95 U
Toluene	108-88-3	NS	ug/m3	5 D	5.2 D
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.66 U	<0.64 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.75 U	<0.73 U
Trichloroethene (TCE)	79-01-6	6	ug/m3	2.6 D	2.9 D
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.9 D	1.2 D
Vinyl Acetate	108-05-4	NS	ug/m3	<0.58 U	<0.57 U
Vinyl Chloride	75-01-4	6	ug/m3	<0.21 U	<0.21 U
Total BTEX	TOTAL BTEX	NS	ug/m3	13.3	13.9
Total CVOCs	TOTAL CVOCS	NS	ug/m3	4.3	221.2
Total VOCs	TOTAL VOCS	NS	ug/m3	268.93	552.9

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

Page 2 of 2

Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
Brooklyn, New York
Langan Project No.: 100964201

Notes:

SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
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).

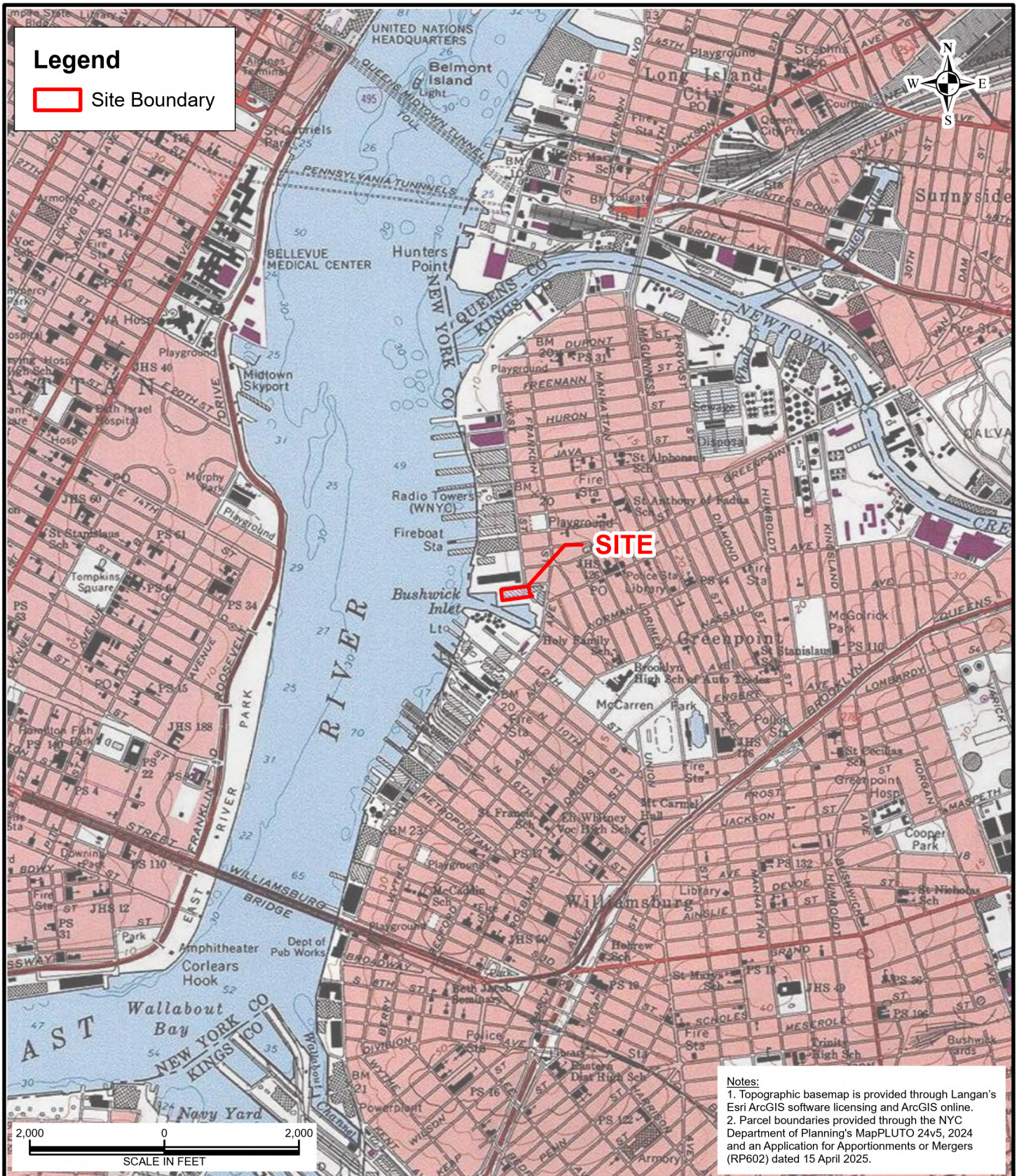
Qualifiers:

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



LANGAN

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

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

**PORTION OF
QUAY STREET**

BLOCK No. 2590 Current LOT No. 1
(Proposed LOT No. 1)

BROOKLYN

NEW YORK

Drawing Title

**SITE LOCATION
MAP**

Project No.

100964201

Date

8/29/2023

Scale

1" = 2000'

Drawn By

IHB

Last Revised

Figure

1



Legend

- ▬ Site Boundary
- Tax Parcel Boundary
- ▬ Site Feature
- ⊕ Soil Boring
- ⊕ Soil Boring/Monitoring Well
- ▲ Soil Vapor Point

Notes:
1. Aerial imagery provided through Langan's subscription to Esri's ArcGIS software licensing.
2. Parcel boundaries provided through the NYC Department of Planning's MapPLUTO 24v5, 2024 and an Application for Apportionments or Mergers (RP602) dated 15 April 2025.
3. Sample locations are approximate and based on field measurements.
4. Site features are approximate and based on the site's Evacuation Plan for the Mobile Wash Facility and observations made in the field.

LANGAN

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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

**PORTION OF
QUAY STREET**

BLOCK No. 2590 Current LOT No. 1
(Proposed LOT No. 1)

BROOKLYN

NEW YORK

Drawing Title

**SITE PLAN AND
SAMPLE LOCATION
MAP**

Project No.

100964201

Date

8/29/2023

Scale

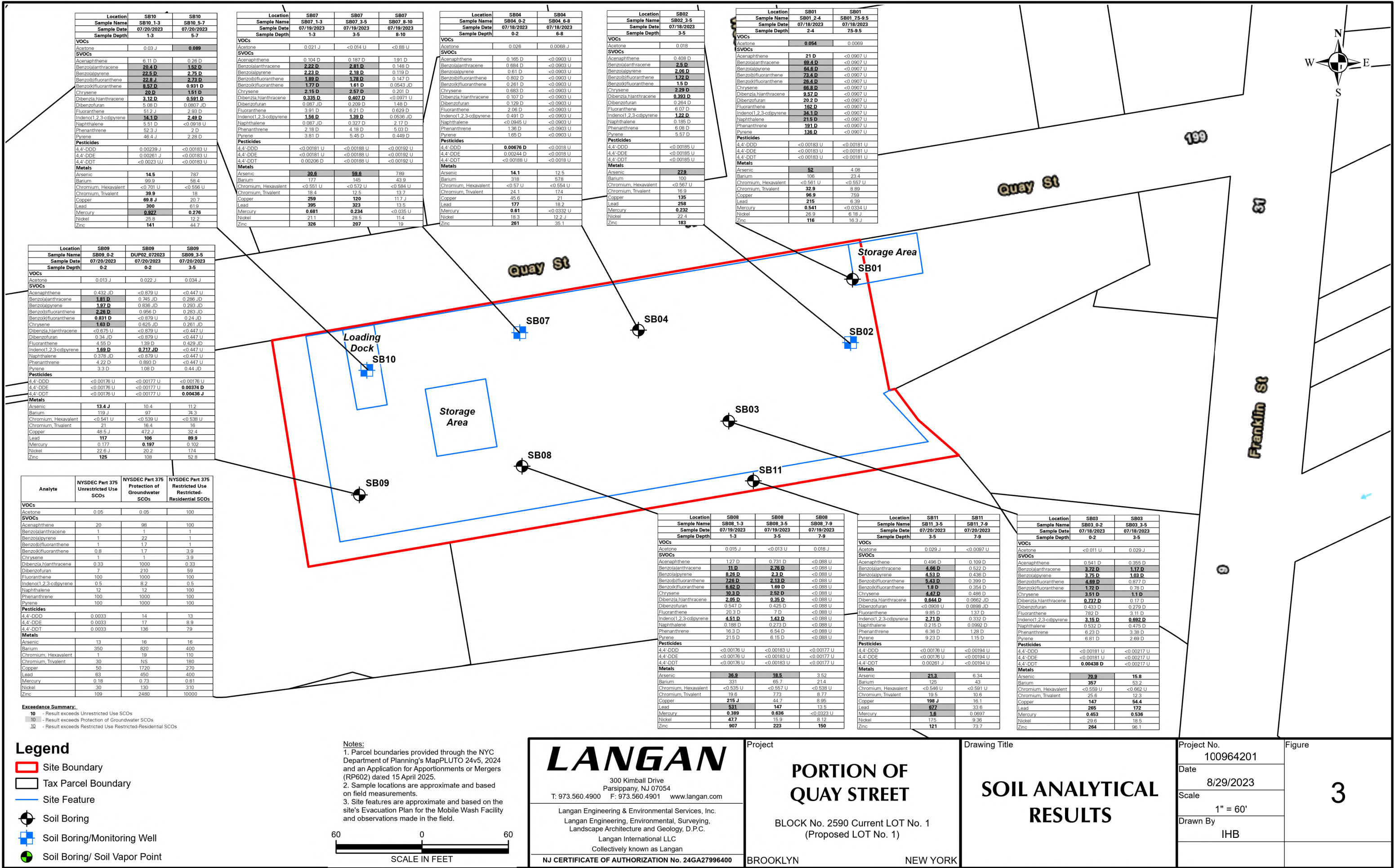
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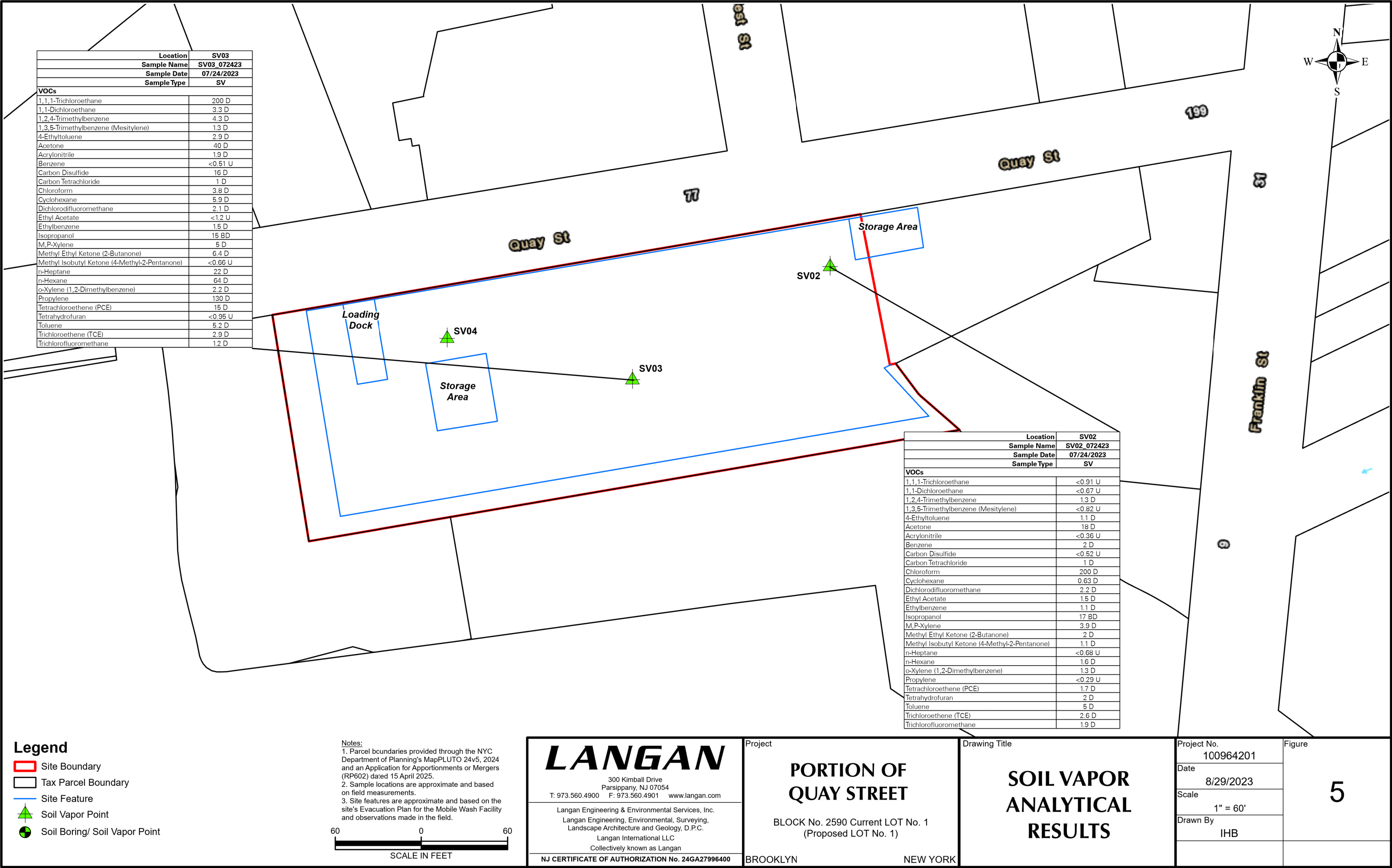
Drawn By

IHB

Figure

2





APPENDIX A

GEOPHYSICAL SURVEY REPORT



Summary of Scanning of Core Drilling Locations Summary of Underground Utility Locating Summary of Underground Utility Locating for Soil Borings Summary of Scanning for Underground Storage Tanks (UST's)

Prepared For: Langan Engineering

Prepared By:

Christopher McNeil

Christopher.mcneil@gprsinc.com

Project Manager-NYC/Northern NJ/CT

732-672-9340

July 18, 2023

July 18, 2023

Langan Engineering

Attn: Lauren Kott

Site: 40 Quay Street, Brooklyn NY

We appreciate the opportunity to provide this report for our work completed on July 18, 2023.

PURPOSE

The purpose of this project was to search for any suspected underground storage tanks (USTs) or suspected UST-related piping/anomalies remaining on the property. The scope of work also consisted of 19 location(s) measuring approximately 4' x 4' for soil boring. The client marked the desired locations prior to our scanning and our markings were then placed onto the surface using white spray paint and tape.

EQUIPMENT

- **Underground Scanning GPR Antenna.** The antenna with frequencies ranging from 250 MHz-450 MHz is mounted in a stroller frame which rolls over the surface. The surface needs to be reasonably smooth and unobstructed in order to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the feasibility of GPR. The data is displayed on a screen and marked in the field in real time. The total depth achieved can be as much as 8' or more with this antenna but can vary widely depending on the types of materials being scanned through. Some soil types such as clay may limit maximum depths to 3' or less. As depth increases, targets must be larger in order to be detected and non-metallic targets can be especially difficult to locate. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: [Link](#)
- **Concrete Scanning GPR Antenna.** This GPR antenna is handheld and rolls over the surface. The antenna needs a reasonably smooth, unobstructed surface for scanning and is not able to scan within 2"-4" of obstructions such as walls and metal tracks unless they are removed prior to our work. The data is displayed on a screen during the scanning and marked on the surface in real time. The total depth achieved can be as much as 18" or more with this antenna but can vary widely depending on the types of materials being scanned through and other factors such as the spacing of the reinforcing and/or moisture content. Depth accuracy depends on the ability to obtain an accurate depth calibration for the concrete. No harmful radiation is emitted and the work can be performed at any time with people in close proximity. For more information, please visit: [Link](#)
- **Electromagnetic Pipe Locator.** The EM locator can passively detect the electromagnetic fields from live AC power or from radio signals travelling along some conductive utilities. It can also be used in conjunction with a transmitter to connect directly to accessible, metallic pipes or tracer wires. A current is sent through the pipe or tracer wire at a specific frequency and the resulting EM field can then be detected by the receiver. A utility's ability to be located depends on a variety of factors including access to the utility, conductivity, grounding, interference from other fields, and many others. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: [Link](#)

PROCESS

The process begins by using GPR to collect initial scans throughout the area. These scans are used to calibrate the equipment and determine the type of slab, reinforcing patterns, maximum depth penetration, and any other potential limitations. Each location is then scanned in a grid pattern in 4 directions and then rescanned with the antenna cross polarized. The GPR data is viewed in real time and anomalies in the data were located and marked on the surface. Relevant scan examples were saved and will be provided in this report. The EM locator was used to sweep the areas for live power readings and radio frequency signals.

Initial GPR scans were then collected in order to evaluate the data and calibrate the equipment. Based on these findings, a scanning strategy is formed, typically consisting of scanning the entire area in a grid with 3' scan spacing in order to locate any potential utilities that were not found with the pipe locator. The GPR data is viewed in real time and anomalies in the data are located and marked on the surface along with their depths using spray paint, pin flags, etc.

The process typically begins with using the EM pipe locator to locate pipes or utilities throughout the scan area. First, the transmitter is used to connect to and trace any visible risers, tracer wires, or accessible, conductive utilities provided that there is an exposed, metallic surface. The areas are then swept with the receiver to detect live power or radio frequency signals. Locations and depths are painted or flagged on the surface. Depths cannot always be provided depending on the location method and can be prone to

LIMITATIONS

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above-ground features, and utilization of services such as One Call/811. Depths are dependent on many factors so depth accuracy can vary throughout a site and should be treated as estimates only. Relevant scan examples were saved and will be provided in this report.

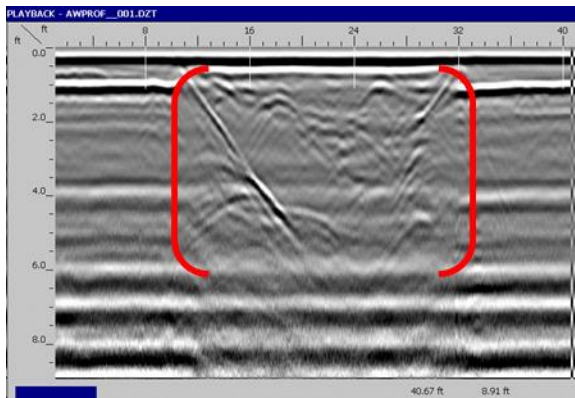
FINDINGS

The slab was found to be approximately 8" thick in most areas and was reinforced with wire mesh. Items marked on the surface included conduits. Please keep in mind that differentiating between reinforcing, cables, and conduits is not always definitive and is based on depths, patterns, and other clues. Please avoid drilling near any of our markings or, if they cannot be avoided, carefully expose any marked item to confirm its identity prior to coring. The following pages will provide further explanation of the findings.

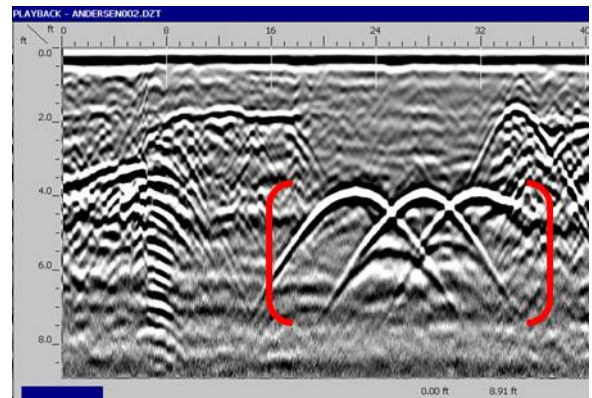
The subsurface conditions at the time of the scanning allowed for maximum GPR depth penetration of 4' in most areas. Multiple utilities were able to be located such as electric using either the GPR or EM pipe locator. The following pages will provide further explanation of the findings. The equipment and methods used did not detect reactions from potential UST's. The following pages will provide further explanation of the findings.

GPRS scanned 19 boring locations as well as along the side of the building, inside the men's and woman's locker rooms, and inside the building where the trucks were parked. GPRS found no indicators of USTs. GPRS, however, did find electrical lines running alongside the building outside. All locations were scanned with concrete GPR antennae, utility GPR antennae, and EM pipe locator. No indication of USTs anywhere inside or outside the building nor was there any indication that a UST had been there previously. GPRS cleared all 19 boring locations without any obstructions.

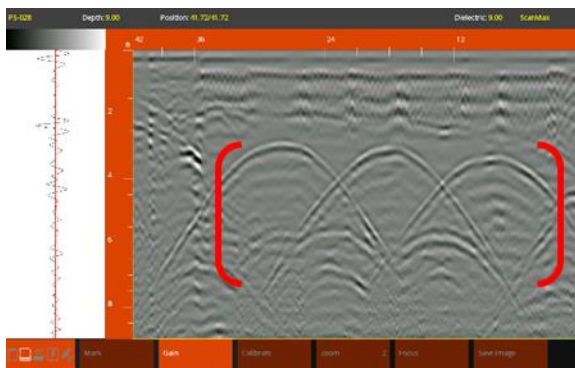
GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this report.



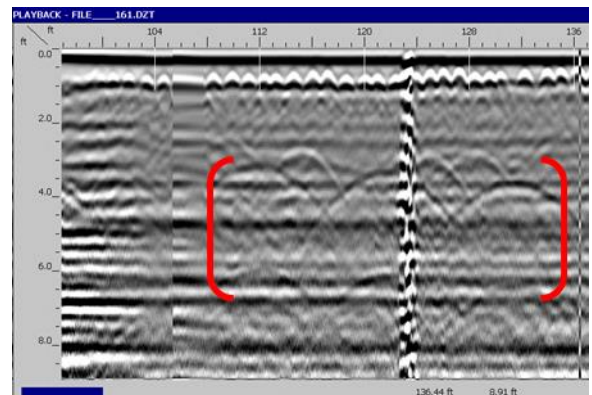
Sample GPR data screenshot showing a possible former tank pit or excavation. The change in the data from the excavation is apparent but GPR cannot determine whether this is due to a tank removal or whether tanks may still exist beyond the maximum depth penetration of the GPR signal.



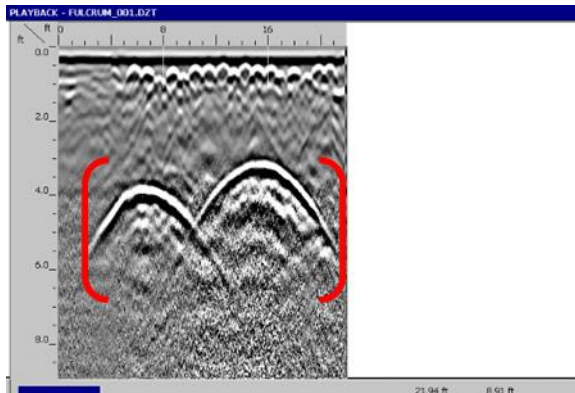
Sample GPR data screenshot showing three reactions from probable USTs. The diameters cannot be determined from these hyperbolas but they can be seen to be larger than a reaction from a typical utility.



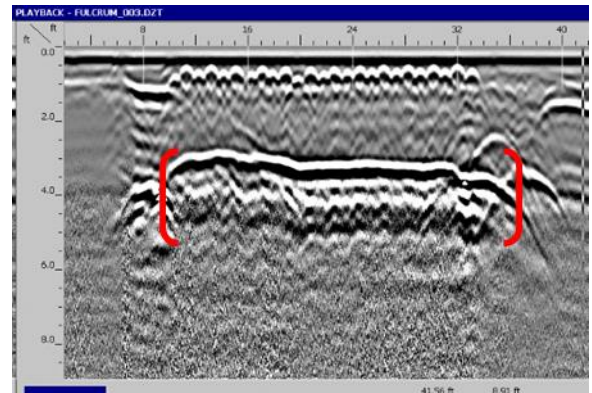
Sample GPR data screenshot showing three reactions from known USTs at an active fueling station. The concrete above the USTs is reinforced with wire mesh.



Sample GPR data screenshot showing three reactions from known USTs at an active fueling station. These USTs are non-metallic and therefore have a weaker reflection that is more difficult and sometimes impossible to identify in the GPR data.



Sample GPR data screenshot showing two potential USTs. These reactions are larger than a typical utility but large utilities can look identical to a UST.

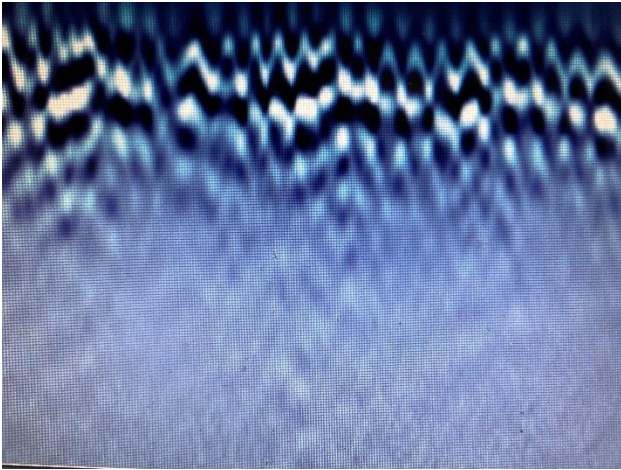


Sample GPR data screenshot showing a scan collected parallel along the top one of the suspected USTs shown in the data to the left. A parallel scan is used to determine a clear beginning and end to the reaction to the reaction which is an indicator of a UST and to determine an approximate length.

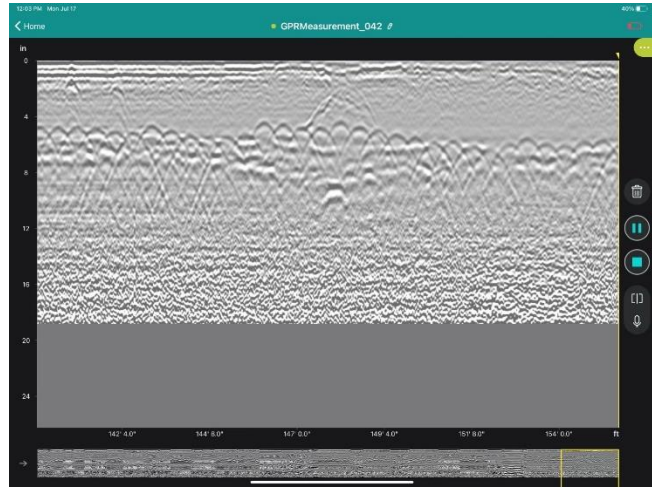
Sample Data Screenshots.
(Not taken from this project)

Location:
previously collected from various sites

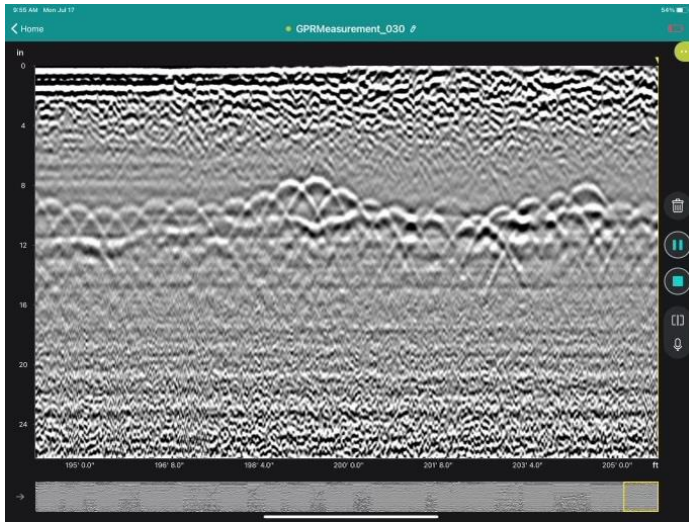




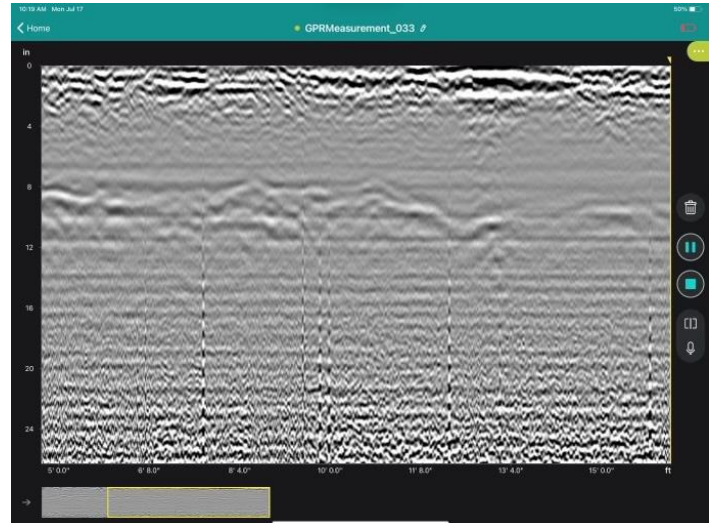
This screenshot is from the utility GPR cart and shows the wire mesh in proximity with each other. No UST detected.



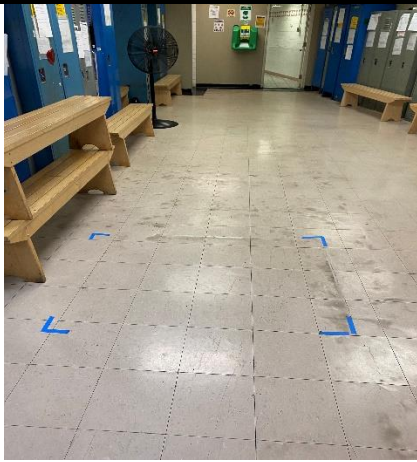
This screenshot is from the concrete GPR. The hyperbolas represent wire mesh when they're all the same spacing as each other and any anomalies can indicate conduits or other substructural components such as rebar but, in this case, it is wire mesh.



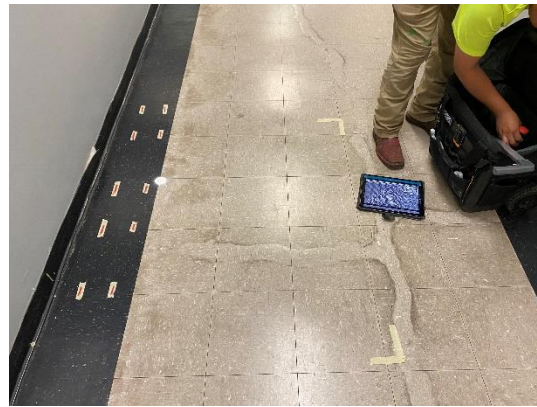
This data shot shows wire mesh with a slab depth of approximately 10 inches deep.



This screenshot is the same data shot as above just using a technique called cross polarization. One-way GPRS can make sure it is wire mesh is by cross polarizing the concrete with the antennae and seeing if the wire mesh disappears on the screen, which in this case it did.



This picture is from the lady's locker room where GPRS was asked to scan for potential UST. No UST detected.



This picture is from the hallway where GPRS found 2 conduits directly next to the boring location. Conduits marked out in tape. No UST found when scanning with utility antennae.



This picture was taken in the warehouse where GPRS was asked to scan for USTs. No UST detected.



This picture was taken in the warehouse where GPRS was asked to scan for USTs. No UST detected.

CLOSING

GPRS, Inc. has been in business since 2001, specializing in underground storage tank location, concrete scanning, utility locating, and shallow void detection for projects throughout the United States. I encourage you to visit our website (www.gprsinc.com) and contact any of the numerous references listed.

GPRS scanned 19 boring locations as well as along the side of the building, inside the men's and woman's locker rooms, and inside the building where the trucks were parked. GPRS found no indicators of USTs. GPRS, however, did find electrical lines running alongside the building outside. All locations were scanned with concrete GPR antennae, utility GPR antennae, and EM pipe locator. No indication of USTs anywhere inside or outside the building nor was there any indication that a UST had been there previously. GPRS cleared all 19 boring locations without any obstructions.

GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this report.

Signed,

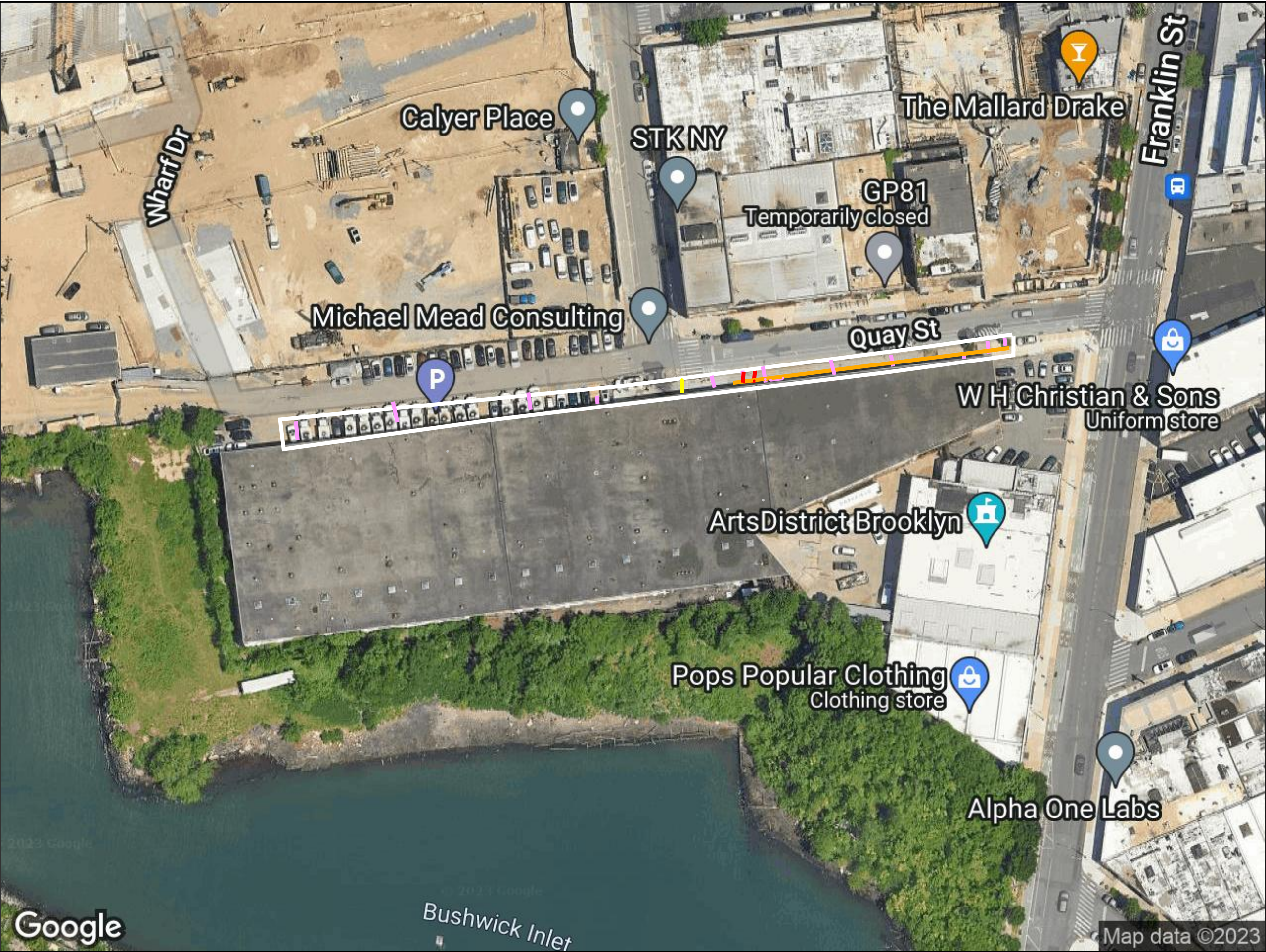
Christopher McNeil
Project Manager—NYC/Northern NJ/CT



Direct: 7326729340

Christopher.mcneil@gprsinc.com

www.gprsinc.com





DISCLAIMERS

1. THIS PDF IS AN AUTOMATED OUTPUT CREATED DIRECTLY FROM DATA COLLECTED IN THE FIELD. IT IS INTENDED TO DOCUMENT MARKINGS AND COMMENTS COLLECTED BY GPRS, LLC. THE FIELD FINDINGS MAY BE CORRECTED AND/OR ADDITIONAL DELIVERABLES CREATED AFTER THE DATA IS FURTHER REVIEWED.

2. AERIAL IMAGERY IS SOMETIMES SHIFTED, OUTDATED, OR INACCURATE WHILE THE LINE AND POINT DATA REMAIN AS COLLECTED IN THE FIELD. IN THE EVENT THE AERIAL IMAGE LOCATION NEEDS CORRECTION, ADDITIONAL CAD SERVICES CAN BE ORDERED.

3. GPRS CANNOT GUARANTEE THAT ALL UTILITIES OR OTHER SUBSURFACE FEATURES ON SITE WERE ABLE TO BE LOCATED. ALL FINDINGS ARE SUBJECT TO THE TERMS AND CONDITIONS THAT CAN BE VIEWED AT THIS LINK: <https://gp-radar.com/terms-conditions>

4. GPRS DOES NOT PROVIDE GEOPHYSICAL, GEOLOGICAL, LAND SURVEYING, OR ENGINEERING SERVICES. GPRS IS NOT A LICENSED LAND SURVEYOR. THIS PDF IS NOT A LAND SURVEY AND MAY NOT BE RELIED ON OR USED FOR ANY PURPOSES EXCEPT AS EXPRESSLY STATED HEREIN.

5. FOR ADDITIONAL INFORMATION REGARDING FINDINGS AND EQUIPMENT USED, SEE THE "JOB SUMMARY REPORT" AS WELL AS OTHER SUBMITTALS INCLUDED IN THE SUBMITTAL LETTER SENT VIA EMAIL FOLLOWING COMPLETION OF FIELD WORK.

6. PRIVATE UTILITY LOCATING IS NEVER A REPLACEMENT FOR ONE CALL/811 SERVICES. STATE LAW REQUIRES 811 TO BE CALLED PRIOR TO ANY AND ALL EXCAVATION ACTIVITIES.

LEGEND

- ELECTRICAL
- FUEL/GAS/OIL
- TELECOMM
- UNKNOWN
- SCAN LIMIT

0' 25' 50' 75' 100'



Know what's below.
Call before you dig.

GPRS IS NOT AFFILIATED WITH 811 BUT DOES RECOMMEND THAT THE SERVICE IS USED ON EVERY PROJECT IN ADDITION TO OUR OWN. SEE NOTE #6 ABOVE.

FOR INFORMATION ONLY

GPRS FINDINGS MAP

PREPARED FOR:
LANGAN

LOCATION:
LANGAN
40 QUAY STREET
BROOKLYN, NY

PROJECT MANAGER:
BEAU BRAUN
BEAU.BRAUN@GPRSINC.COM

DATE	2023 AUG 29
DRAWING NO.	1 REV. 0

APPENDIX B

SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS

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Log of Boring SB01 Sheet 1 of 1

Project 40 Quay Street				Project No. 100964201										
Location Brooklyn, New York				Elevation and Datum N/A										
Drilling Company Aquifer Drilling & Testing, Inc.				Date Started 07/18/2023		Date Finished 07/18/2023								
Drilling Equipment Geoprobe 7822 DT				Completion Depth 20 ft		Rock Depth NE								
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed								
Casing Diameter (in) -				Casing Depth (ft) -		First								
Casing Hammer				Weight (lbs)		Drop (in)								
Sampler 5' long, 2" I.D. Macro Core Liners				Drilling Foreman Chris Iodice										
Sampler Hammer				Weight (lbs)		Drop (in)								
				Field Engineer Nick Hodom										
MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)						
			Number	Type	Recov. (in)	Penetr. resist	PID (ppm)							
	CONCRETE	0	1	MACROCORE	36		0.0	Collected SB01_0-2 from 0 to 2 feet bgs. VOCs collected from 1.5 to 2 feet bgs.						
	Black silty SAND with glass, brick, and wood debris [FILL]	1												
	Dark brown silty SAND (dry) [NATIVE]	2							2	MACROCORE	36		0.0	Collected SB01_7.5-9.5 from 7.5 to 9.5 feet bgs. VOCs collected from 9 to 9.5 feet bgs.
		3												
		4												
	Light brown fine SAND (moist) [NATIVE]	5	3	MACROCORE	60		0.0	Bottom of boring at 20 feet on 7/18/2023.						
		6												
		7												
		8												
		9												
	Gray to dark brown fine SAND (wet) [NATIVE]	10	4	MACROCORE	60		0.0							
		11												
		12												
		13												
		14												
	Dark brown silty fine SAND (wet) [NATIVE]	15					0.0							
		16												
		17												
		18												
		19												
		20												

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Project 40 Quay Street				Project No. 100964201				
Location Brooklyn, New York				Elevation and Datum N/A				
Drilling Company Aquifer Drilling & Testing, Inc.				Date Started 07/18/2023		Date Finished 07/18/2023		
Drilling Equipment Geoprobe 7822 DT				Completion Depth 20 ft		Rock Depth NE		
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed		
Casing Diameter (in) -				Casing Depth (ft) -		First		
Casing Hammer				Weight (lbs)		Drop (in)		
Sampler 5' long, 2" I.D. Macro Core Liners				Drilling Foreman Chris Iodice				
Sampler Hammer				Weight (lbs)		Drop (in)		
				Field Engineer Nick Hodom				
MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist BLU6in	PID (ppm)	
	CONCRETE	0	1	MACROCORE	36		0.0	Collected SB02_3-5 from 3 to 5 feet bgs. VOCs collected from 4.5 to 5 feet bgs.
	Brown to Black silty SAND with glass, brick, and wood debris [FILL]	1						
		2						
		3						
		4						
	Light brown fine SAND (moist) [NATIVE]	5	2	MACROCORE	36		0.0	
		6						
		7						
		8						
		9						
	Light brown fine SAND (wet) [NATIVE]	10	3	MACROCORE	60		0.0	
		11						
		12						
		13						
		14						
	Brown coarse SAND (wet) [NATIVE]	15	4	MACROCORE	48		0.0	
		16						
		17						
		18						
		19						
Gray to Dark brown silty fine SAND (wet) [NATIVE]	20					0.0	Bottom of boring at 20 feet on 7/18/2023.	

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Project 40 Quay Street				Project No. 100964201					
Location Brooklyn, New York				Elevation and Datum N/A					
Drilling Company Aquifer Drilling & Testing, Inc.				Date Started 07/18/2023		Date Finished 07/18/2023			
Drilling Equipment Geoprobe 7822 DT				Completion Depth 20 ft		Rock Depth NE			
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed			
Casing Diameter (in) -				Casing Depth (ft) -		First			
Casing Hammer				Weight (lbs)		Drop (in)			
Sampler 5' long, 2" I.D. Macro Core Liners				Drilling Foreman Chris Iodice					
Sampler Hammer				Weight (lbs)		Drop (in)			
				Field Engineer Nick Hodom					
MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
			Number	Type	Recov. (in)	Penetr. resist. BLU6in	PID (ppm)		
	CONCRETE	0	M-1 MACROCORE	36			0.0	Collected SB03_0-2 from 0 to 2 feet bgs. VOCs collected from 0.5 to 1 feet bgs. Collected SB03_3-5 from 3 to 5 feet bgs. VOCs collected from 4.5 to 5 feet bgs.	
	Black silty SAND with glass, brick, and wood debris [FILL]	1							0.0
		2							0.0
		3							0.0
		4							0.0
	Light brown fine SAND (moist) [NATIVE]	5	M-2 MACROCORE	36			0.0		
		6							0.0
		7							0.0
		8							0.0
		9							0.0
	Dark Brown Silty SAND (wet) [NATIVE]	10	M-3 MACROCORE	60			0.0		
		11						0.0	
		12						0.0	
		13						0.0	
		14						0.0	
	Brown SILT some fine sand (wet) (loose) [NATIVE]	15	M-4 MACROCORE	60			0.0		
		16						0.0	
		17						0.0	
		18						0.0	
		19						0.0	
	Brown medium SAND (wet) [NATIVE]	20					0.0		
	Gray silty fine SAND (wet) [NATIVE]								
								Bottom of boring at 20 feet on 7/18/2023.	

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Log of Boring **SB04** Sheet 1 of 1

Project 40 Quay Street				Project No. 100964201			
Location Brooklyn, New York				Elevation and Datum N/A			
Drilling Company Aquifer Drilling & Testing, Inc.				Date Started 07/18/2023		Date Finished 07/18/2023	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NE	
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed	
Casing Diameter (in) -				Casing Depth (ft) -		Core -	
Casing Hammer				Weight (lbs) -		Drop (in) -	
Sampler 5' long, 2" I.D. Macro Core Liners				Drilling Foreman Chris Iodice			
Sampler Hammer				Weight (lbs) -		Drop (in) -	
				Field Engineer Nick Hodom			

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist	BLU6in		
	CONCRETE	0	M-1	MACROCORE	36			0.0	Collected SB04_0-2 from 0 to 2 feet bgs. VOCs collected from 0.5 to 1 feet bgs.
	Reddish brown to black silty SAND with glass, brick, and wood debris [FILL]	1						0.0	
		2						0.0	
		3						0.0	
	Crushed CONCRETE	4	M-2	MACROCORE	36			0.0	Collected SB04_6-8 from 6 to 8 feet bgs. VOCs collected from 7.5 to 8 feet bgs.
	Brown silty SAND with glass, brick, and wood debris [FILL]	5						0.0	
Brown fine SAND (moist) [NATIVE]		6	0.0	M-3	MACROCORE	60			
	Brown silty fine SAND (wet) [NATIVE]	7	0.0						
		8	0.0						
		9	0.0						
		10	0.0						
		11	0.0						
		12	0.0						
		13	0.0						
		14	0.0						
		15	0.0	Bottom of boring at 15 feet on 7/18/2023.					
		16	0.0						
		17	0.0						
		18	0.0						
		19	0.0						
		20	0.0						

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Log of Boring SB07/MW04 Sheet 1 of 1

Project 40 Quay Street				Project No. 100964201			
Location Brooklyn, New York				Elevation and Datum N/A			
Drilling Company Aquifer Drilling & Testing, Inc.				Date Started 07/19/2023		Date Finished 07/19/2023	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NE	
Size and Type of Bit 2in Direct Push				Number of Samples 3		Undisturbed -	
Casing Diameter (in) -				Casing Depth (ft) -		Core -	
Casing Hammer -				Weight (lbs) -		Drop (in) -	
Sampler 5' long, 2" I.D. Macro Core Liners				Drilling Foreman Chris Iodice			
Sampler Hammer -				Weight (lbs) -			
Drop (in) -				Field Engineer Nick Hodom			

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Reco. (in)	Penetr. resist	BL/in	PID (ppm)	
	CONCRETE	0	M-1	MACROCORE	36			0.0	Collected SB07 1-3 from 1 to 3 feet bgs. VOCs collected from 2.5 to 3 feet bgs. Collected SB07 3-5 from 3 to 5 feet bgs. VOCs collected from 4 to 4.5 feet bgs. Collected SB07 8-10 from 8 to 10 feet bgs. VOCs collected from 9.5 to 10 feet bgs. Odor observed between 9 and 15 feet bgs.
	Black silty SAND with glass, brick, and wood debris [FILL]	1						0.0	
		2						0.0	
		3						0.0	
		4						0.0	
	Light brown fine SAND (moist) [NATIVE]	5	0.1						
		6	0.0						
		7	0.0						
		8	0.0						
		9	0.0						
	Light brown fine SAND (wet) [NATIVE]	10	12.6						
		11	72.5						
		12	27.4						
		13	0.0						
		14	0.0						
	15	0.0							
	16	0.0							
	17	0.0							
	18	12.1							
	19	38							
	20	16							

Bottom of boring at 15 feet on 7/19/2023.

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Log of Boring SB08 Sheet 1 of 1

Project 40 Quay Street			Project No. 100964201		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Aquifer Drilling & Testing, Inc.			Date Started 07/19/2023		Date Finished 07/19/2023
Drilling Equipment Geoprobe 7822 DT			Completion Depth 15 ft		Rock Depth NE
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed -
Casing Diameter (in) -			Casing Depth (ft) -	Water Level (ft.) First 9	Completion 24 HR. -
Casing Hammer -	Weight (lbs) -	Drop (in) -	Drilling Foreman Chris Iodice		
Sampler 5' long, 2" I.D. Macro Core Liners			Field Engineer Nick Hodom		
Sampler Hammer -			Weight (lbs) -		
Drop (in) -					

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist BLU6in	PID (ppm)	
	CONCRETE	0	M-1	MACROCORE	40		0.0	Collected SB08_1-3 from 1 to 3 feet bgs. VOCs collected from 2.5 to 3 feet bgs.
	Black silty SAND with glass, brick, and wood debris [FILL]	1						
		2						
		3						
		4						
	CONCRETE	6	M-2	MACROCORE	30		0.0	Collected SB08_3-5 from 3 to 5 feet bgs. VOCs collected from 4.5 to 5 feet bgs.
	Light brown fine SAND (moist) [NATIVE]	7						
		8						
		9						
		10						
	Light brown fine SAND (wet) [NATIVE]	11	M-3	MACROCORE	60		0.0	Collected SB08_7-9 from 7 to 9 feet bgs. VOCs collected from 8.5 to 9 feet bgs.
		12						
		13						
		14						
		15						
		16						Bottom of boring at 15 feet on 7/19/2023.
		17						
		18						
		19						
		20						

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Log of Boring SB09 Sheet 1 of 1

Project 40 Quay Street			Project No. 100964201		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Aquifer Drilling & Testing, Inc.			Date Started 07/20/2023		Date Finished 07/20/2023
Drilling Equipment Geoprobe 7822 DT			Completion Depth 15 ft		Rock Depth NE
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed -
Casing Diameter (in) -			Casing Depth (ft) -	Water Level (ft.) First 9	Completion 24 HR. -
Casing Hammer -	Weight (lbs) -	Drop (in) -	Drilling Foreman Chris Iodice		
Sampler 5' long, 2" I.D. Macro Core Liners			Field Engineer Nick Hodom		
Sampler Hammer -			Weight (lbs) -		
Drop (in) -					

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist	BLU6in	PID (ppm)	
	CONCRETE	0	M-1	MACROCORE	36			0.0 0.7 0.1 0.0 0.0	Collected SB09_0-2 from 0 to 2 feet bgs. VOCs collected from 1.5 to 2 feet bgs.
	Black silty SAND with glass, brick, and wood debris [FILL]	1							
		2							
		3							
		4							
		5	M-2	MACROCORE	36			0.1 0.1 0.1 0.1 0.1	Collected SB09_3-5 from 3 to 5 feet bgs. VOCs collected from 4.5 to 5 feet bgs.
		6							
		7							
		8							
		9							
	Light brown silty fine SAND (wet) [NATIVE]	9	M-3	MACROCORE	18			0.0 0.0 0.0 0.0 0.0	Bottom of boring at 15 feet on 7/20/2023.
	Dark brown silty fine to medium GRAVEL, some wood (wet) [NATIVE]	10							
		11							
		12							
		13							
		14							
		15							
		16							
		17							
		18							
		19							
		20							

\\LANGAN.COM\DATA\PAR\DATA2\100964201\PROJECT DATA\DISCIPLINE\ENVIRONMENTAL\FIELD RECORDS\2023-07 PHASE II INVESTIGATION\BORING LOGS\SOIL BORING LOGS - 40 QUAY STREET.GPJ ... 8/23/2023 9:15:21 AM ... Report: Log - LANGAN



Project 40 Quay Street			Project No. 100964201		
Location Brooklyn, New York			Elevation and Datum N/A		
Drilling Company Aquifer Drilling & Testing, Inc.			Date Started 07/20/2023		Date Finished 07/20/2023
Drilling Equipment Geoprobe 7822 DT			Completion Depth 15 ft		Rock Depth NE
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed -
Casing Diameter (in) -			Casing Depth (ft) -	Water Level (ft.) First 7	Completion 24 HR. -
Casing Hammer -	Weight (lbs) -	Drop (in) -	Drilling Foreman Chris Iodice		
Sampler 5' long, 2" I.D. Macro Core Liners			Field Engineer Nick Hodom		
Sampler Hammer -			Weight (lbs) -		
Drop (in) -					

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist. BLU6in	PID (ppm)	
	CONCRETE	0	M-1	MACROCORE	6		0.0	Collected SB10_1-3 from 1 to 3 feet bgs. VOCs collected from 2 to 2.5 feet bgs.
	Black silty SAND with glass, brick, and wood debris [FILL]	1					0.0	
		2					0.0	
		3					0.0	
		4					0.0	
	Brown fine SAND (wet) [NATIVE]	5	M-2	MACROCORE	40		0.0	Collected SB10_5-7 from 5 to 7 feet bgs. VOCs collected from 6.5 to 7 feet bgs.
		6					0.0	
		7					0.0	
		8					0.0	
		9					0.0	
	Brown medium SAND (wet) [NATIVE]	10	M-3	MACROCORE	48		0.0	Bottom of boring at 15 feet on 7/20/2023.
		11					0.0	
		12					0.0	
		13					0.0	
		14					0.0	
		15					0.0	
		16						
		17						
		18						
		19						
		20						

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Log of Boring SB11 Sheet 1 of 1

Project 40 Quay Street				Project No. 100964201			
Location Brooklyn, New York				Elevation and Datum N/A			
Drilling Company Aquifer Drilling & Testing, Inc.				Date Started 07/20/2023		Date Finished 07/20/2023	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 15 ft		Rock Depth NE	
Size and Type of Bit 2in Direct Push				Number of Samples		Disturbed 3	
Casing Diameter (in) -				Casing Depth (ft) -		Undisturbed -	
Casing Hammer -				Weight (lbs) -		Drop (in) -	
Sampler 5' long, 2" I.D. Macro Core Liners				Water Level (ft.) First 9			
Sampler Hammer -				Weight (lbs) -		Drop (in) -	
				Drilling Foreman Chris Iodice			
				Field Engineer Nick Hodom			

MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
			Number	Type	Recov. (in)	Penetr. resist	PID (ppm)		
	ASPHALT	0	M-1	MACROCORE	40			0.0	
	Black silty SAND with glass, brick, and wood debris [FILL]	1							0.0
		2							0.0
		3							0.0
		4							0.0
	Light brown fine SAND (moist) [NATIVE]	5	M-2	MACROCORE	36			0.0	
		6							0.0
		7							0.0
		8							0.0
		9							0.0
	Brown silty fine SAND (wet) [NATIVE]	10	M-3	MACROCORE	60			0.0	
		11							0.0
		12							0.0
		13							0.0
		14							0.0
	MEADOWMAT	15						0.0	
		16						0.0	
		17						0.0	
		18						0.0	
		19						0.0	
		20						0.0	

Collected SB11_3-5 from 3 to 5 feet bgs. VOCs collected from 4.5 to 5 feet bgs.

Collected SB11_7-9 from 7 to 9 feet bgs. VOCs collected from 8.5 to 9 feet bgs.

Bottom of boring at 15 feet on 7/20/2023.

WELL CONSTRUCTION SUMMARY
Well No. MW02

PROJECT 40 Quay Street			PROJECT NO. 100964201		PERMIT N/A	
LOCATION Brooklyn, New York			ELEVATION AND DATUM N/A			
DRILLING AGENCY Auqifer Drilling & Testing, Inc.			DATE STARTED 07/19/2023		DATE FINISHED 07/19/2023	
DRILLING EQUIPMENT GeoProbe 7822DT			DRILLER Chris Iodice			
SIZE AND TYPE OF BIT 4" ID stainless steel macrocore and 6" OD hollow stem auger			INSPECTOR Nick Hodom			
METHOD OF INSTALLATION The concrete was cored using a jack hammer. A soil boring was then advanced to 20' bgs using a Geoprobe 7822DT via direct push. A GeoProbe utilizing a 6" outer diameter hollow stem auger was then used to advance the well boring to 13.5'. A 2-inch PVC screen and riser were installed as the auger casing was removed, and the annular space was filled with No. 1 filter sand, bentonite, and portland cement grout.						
METHOD OF WELL DEVELOPMENT Well was developed by surge and pump method for 20 minutes until discharge was generally clear of silt. Recharge rate was observed to equal discharge capacity during pumping activities. A total of 25 gallons was purged.						
TYPE OF CASING PVC		DIAMETER 2-inch	TYPE OF BACKFILL MATERIAL Portland Neat Cement			
TYPE OF SCREEN PVC		DIAMETER 2-inch	TYPE OF SEAL MATERIAL Bentonite Well Plug			
BOREHOLE DIAMETER 6"			TYPE OF FILTER MATERIAL # 1 Sand			
TOP OF CASING	ELEVATION N/A	DEPTH (ft) 0.20			SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs
TOP OF SEAL	ELEVATION N/A	DEPTH (ft) 0.50			Concrete	0.00
TOP OF FILTER	ELEVATION N/A	DEPTH (ft) 1.00			FILL	1.00
TOP OF SCREEN	ELEVATION N/A	DEPTH (ft) 3.00				2.00
BOTTOM OF WELL	ELEVATION N/A	DEPTH (ft) 13.00				3.00
SCREEN LENGTH 10 ft					SAND	4.00
SLOT SIZE 0.01-in						5.00
GROUNDWATER ELEVATIONS						6.00
						7.00
						8.00
ELEVATION N/A	DATE 7.02	DEPTH TO WATER 7/25/2023	9.00			
ELEVATION	DATE	DEPTH TO WATER	10.00			
			11.00			
			12.00			
			13.00			
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive, Parsippany, New Jersey 07054						

WELL CONSTRUCTION SUMMARY
Well No. MW03

PROJECT 40 Quay Street			PROJECT NO. 100964201		PERMIT N/A		
LOCATION Brooklyn, New York			ELEVATION AND DATUM N/A				
DRILLING AGENCY Auqifer Drilling & Testing, Inc.			DATE STARTED 07/20/2023		DATE FINISHED 07/20/2023		
DRILLING EQUIPMENT GeoProbe 7822DT			DRILLER Chris Iodice				
SIZE AND TYPE OF BIT 4" ID stainless steel macrocore and 6" OD hollow stem auger			INSPECTOR Nick Hodom				
METHOD OF INSTALLATION The concrete was cored and a soil boring was then advanced to 15' bgs using a Geoprobe 7822DT via direct push. A GeoProbe utilizing a 6" outer diameter hollow stem auger was then used to advance the well boring to 13.5'. A 2-inch PVC screen and riser were installed as the auger casing was removed, and the annular space was filled with No. 1 filter sand, bentonite, and portland cement grout.							
METHOD OF WELL DEVELOPMENT Well was developed by surge and pump method for 20 minutes until discharge was generally clear of silt. Recharge rate was observed to equal discharge capacity during pumping activities. A total of 20 gallons was purged.							
TYPE OF CASING PVC		DIAMETER 2-inch	TYPE OF BACKFILL MATERIAL Portland Neat Cement				
TYPE OF SCREEN PVC		DIAMETER 2-inch	TYPE OF SEAL MATERIAL Bentonite Well Plug				
BOREHOLE DIAMETER 6"			TYPE OF FILTER MATERIAL # 1 Sand				
TOP OF CASING	ELEVATION N/A	DEPTH (ft) 0.20			SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs	
TOP OF SEAL	ELEVATION N/A	DEPTH (ft) 0.50			CONCRETE	0.00	
TOP OF FILTER	ELEVATION N/A	DEPTH (ft) 1.00				1.00	
TOP OF SCREEN	ELEVATION N/A	DEPTH (ft) 3.00				FILL	2.00
BOTTOM OF WELL	ELEVATION N/A	DEPTH (ft) 13.00					3.00
SCREEN LENGTH	10 ft						4.00
SLOT SIZE	0.01-in				5.00		
GROUNDWATER ELEVATIONS					SAND	6.00	
ELEVATION N/A	DATE 4.4	DEPTH TO WATER 7/25/2023				7.00	
ELEVATION	DATE	DEPTH TO WATER				8.00	
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive, Parsippany, New Jersey 07054							

WELL CONSTRUCTION SUMMARY
Well No. MW04

PROJECT 40 Quay Street			PROJECT NO. 100964201		PERMIT N/A		
LOCATION Brooklyn, New York			ELEVATION AND DATUM N/A				
DRILLING AGENCY Auqifer Drilling & Testing, Inc.			DATE STARTED 07/24/2023		DATE FINISHED 07/24/2023		
DRILLING EQUIPMENT GeoProbe 7822DT			DRILLER Chris Iodice				
SIZE AND TYPE OF BIT 4" ID stainless steel macrocore and 6" OD hollow stem auger			INSPECTOR Nick Hodom				
METHOD OF INSTALLATION The concrete was cored and a soil boring was then advanced to 15' bgs using a Geoprobe 7822DT via direct push. A GeoProbe utilizing a 6" outer diameter hollow stem auger was then used to advance the well boring to 13.5'. A 2-inch PVC screen and riser were installed as the auger casing was removed, and the annular space was filled with No. 1 filter sand, bentonite, and portland cement grout.							
METHOD OF WELL DEVELOPMENT Well was developed by surge and pump method for 20 minutes until discharge was generally clear of silt. Recharge rate was observed to equal discharge capacity during pumping activities. A total of 25 gallons was purged.							
TYPE OF CASING PVC		DIAMETER 2-inch		TYPE OF BACKFILL MATERIAL Portland Neat Cement			
TYPE OF SCREEN PVC		DIAMETER 2-inch		TYPE OF SEAL MATERIAL Bentonite Well Plug			
BOREHOLE DIAMETER 6"			TYPE OF FILTER MATERIAL # 1 Sand				
TOP OF CASING	ELEVATION N/A	DEPTH (ft) 0.20			WELL DETAILS		
TOP OF SEAL	ELEVATION N/A	DEPTH (ft) 0.50			SUMMARY SOIL CLASSIFICATION		DEPTH (FT) bgs
TOP OF FILTER	ELEVATION N/A	DEPTH (ft) 1.00			CONCRETE		0.00
TOP OF SCREEN	ELEVATION N/A	DEPTH (ft) 3.00			FILL		1.00
BOTTOM OF WELL	ELEVATION N/A	DEPTH (ft) 13.00					2.00
SCREEN LENGTH 10 ft							3.00
SLOT SIZE 0.01-in							4.00
GROUNDWATER ELEVATIONS							5.00
ELEVATION N/A	DATE 7.55	DEPTH TO WATER 7/25/2023					6.00
ELEVATION	DATE	DEPTH TO WATER					7.00
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive, Parsippany, New Jersey 07054					8.00		

APPENDIX C

FIELD SAMPLING SHEETS

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	40 Quay Street	Langan Project No.:	100964201	Site Location:	Brooklyn, NY	Date:	07/25/23

Initial Depth to Water (ft):	7.02	Pump Intake Depth (ft):	10	Well ID:	MW02	Sampling Event:	Phase II El

Instrument Make, Model, Serial No.:	Horiba U-52, 98KXKTKM	PID Reading:	0.1 ppm	Weather:	80 deg, sunny

[illegible]

Stabilization achieved if three consecutive readings fall within the following ranges:

Water Level Drawdown	< 0.3 Feet
pH	±0.1 Units
Specific Conductance	± 3%
Temperature	± 3%
Dissolved Oxygen	± 10%
Turbidity	± 10% for values greater than 1 NTU
ORP/Eh	± 10 millivolts

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	40 Quay Street	Langan Project No.:	100964201	Site Location:	Brooklyn, NY	Date:	07/25/23

Initial Depth to Water (ft):	4.40	Pump Intake Depth (ft):	8	Well ID:	MW03	Sampling Event:	Phase II El

Instrument Make, Model, Serial No.:	Horiba U-52, 98KXKTKM	PID Reading:	1.0 ppm	Weather:	80 deg, sunny

[illegible]

Stabilization achieved if three consecutive readings fall within the following ranges:

Water Level Drawdown	< 0.3 Feet
pH	±0.1 Units
Specific Conductance	± 3%
Temperature	± 3%
Dissolved Oxygen	± 10%
Turbidity	± 10% for values greater than 1 NTU
ORP/Eh	± 10 millivolts

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Initial Depth to Water (ft):	7.55	Pump Intake Depth (ft):	10	Well ID:	MW04	Sampling Event:	Phase II EI

	pH	COND.	DO	ORP	Turbidity	TEMP.	DTW	Q	NOTES

[illegible]

Stabilization achieved if three consecutive readings fall within the following ranges:		
Water Level Drawdown	< 0.3 Feet	
pH	±0.1 Units	
Specific Conductance	± 3%	
Temperature	± 3%	
Dissolved Oxygen	± 10%	
Turbidity	± 10% for values greater than 1 NTU	
ORP/Eh	± 10 millivolts	

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 40 Quay Street, Brooklyn New York

Samplers: NH

Date: 7/24/23

Sample #	SV02	SV03	SV04
Location	SV02_072424	SV03_072425	SV04_072426
Summa Canister ID	23197	28303	16955
Flow Controller ID	16422	17992	17178
Sample Depth (b.g.s.)	8'	8'	8'
Additional Tubing Added	☒ YES NO/ How much ~1.5'	☒ YES NO/ How much ~1.5'	☒ YES NO/ How much ~1.5'
Purge Time (Start)	8:30:00 AM	9:15:00 AM	9:45:00 AM
Purge Time (Stop)	8:35:00 AM	9:20:00 AM	9:50:00 AM
Total Purge Time (min)	5	5	5
Purge Volume	1 L	1 L	1 L
PID Test of Purge Air	0.1 ppm	0.2 ppm	0.1 ppm
Initial Tracer Gas Results in sampling line	0ppm	0ppm	0ppm
Initial Tracer Gas Results in shroud	56.4%	78.2%	75.3%
Pressure Gauge - before sampling	-30.00	-27.50	28.00
Sample Time (Start)	10:20:00 AM	10:25:00 PM	10:30:00 PM
Sample Time (Stop)	12:20:00 PM	12:25:00 PM	12:30:00 PM
Total Sample Time (min)	120	120	120
Pressure Gauge - after sampling	-6.0	-5.0	-3.0
Sample Volume	6 L	6 L	6 L
Canister Pressure Went to Ambient Pressure?	NO	NO	NO
Final Tracer Gas Results in sampling line	0	0	0
Final Tracer Gas Results in shroud	0	0	0
Associated Ambient Air Sample Number	---	---	---
Weather 24 hours before and during sampling	76 °F, 60% humidity, 5 mph SW, 30.12 in		
General Comments			

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APPENDIX D

LABORATORY ANALYTICAL DATA PACKAGES



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 08/09/2023

Client Project ID: 100964201

York Project (SDG) No.: 23G0963

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

Report Date: 08/09/2023
Client Project ID: 100964201
York Project (SDG) No.: 23G0963

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

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 July 18, 2023 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G0963-01	FB01_071823	Water	07/18/2023	07/18/2023
23G0963-03	SB01_2-4	Soil	07/18/2023	07/18/2023
23G0963-04	SB01_7.5-9.5	Soil	07/18/2023	07/18/2023
23G0963-06	SB02_3-5	Soil	07/18/2023	07/18/2023
23G0963-08	SB03_0-2	Soil	07/18/2023	07/18/2023
23G0963-09	SB03_3-5	Soil	07/18/2023	07/18/2023
23G0963-11	SB04_0-2	Soil	07/18/2023	07/18/2023
23G0963-12	SB04_6-8	Soil	07/18/2023	07/18/2023
23G0963-14	EB01_071823	Water	07/18/2023	07/18/2023

General Notes for York Project (SDG) No.: 23G0963

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



Cassie L. Mosher
Laboratory Manager

Date: 08/09/2023





Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Water

July 18, 2023 8:00 am

07/18/2023

SVOA, 8270 LOW MASTER

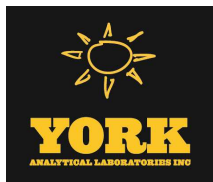
Log-in Notes:

CONT, PRES

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Water

July 18, 2023 8:00 am

07/18/2023

SVOA, 8270 LOW MASTER

Log-in Notes: CONT, PRES

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
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
100-01-6	4-Nitroaniline	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
105-60-2	Caprolactam	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH





Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Water

July 18, 2023 8:00 am

07/18/2023

SVOA, 8270 LOW MASTER

Log-in Notes: CONT, PRES

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
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/20/2023 16:07	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURRE: 2-Fluorophenol	30.5 %	19.7-63.1								
13127-88-3	Surrogate: SURRE: Phenol-d6	14.8 %	10.1-41.7								
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	78.3 %	50.2-113								
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	63.8 %	39.9-105								
1718-51-0	Surrogate: SURRE: Terphenyl-d14	76.9 %	30.7-106								

SVOA, 8270 SIM MASTER

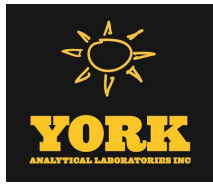
Log-in Notes: CONT, PRES

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	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
208-96-8	Acenaphthylene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
120-12-7	Anthracene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
56-55-3	Benzo(a)anthracene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH





Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Water

July 18, 2023 8:00 am

07/18/2023

SVOA, 8270 SIM MASTER

Log-in Notes: CONT, PRES

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
50-32-8	Benzo(a)pyrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
205-99-2	Benzo(b)fluoranthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
207-08-9	Benzo(k)fluoranthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
218-01-9	Chrysene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
53-70-3	Dibenzo(a,h)anthracene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
206-44-0	Fluoranthene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
86-73-7	Fluorene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
118-74-1	Hexachlorobenzene	ND	CCVE	ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
91-20-3	Naphthalene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/19/2023 12:08	07/21/2023 11:58	KH
85-01-8	Phenanthrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH
129-00-0	Pyrene	ND	CAL-E	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 12:08	07/21/2023 11:58	KH

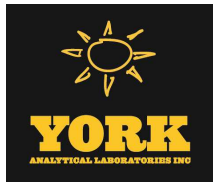
Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: CONT, PRES

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
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		



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 18, 2023 8:00 am

Date Received

07/18/2023

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

Log-in Notes: CONT, PRES

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	07/19/2023 08:30	07/19/2023 23:12	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	83.5 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes: CONT, PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.476	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.354	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.718	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.688	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.425	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.830	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.526	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.759	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.891	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.749	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.698	2.02	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.799	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.233	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.891	2.02	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 18, 2023 8:00 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

CONT, PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.921	1.93	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.95	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.07	7.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.07	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	0.357	J	ng/L	0.334	8.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.506	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.17	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.253	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.374	4.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.769	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.81	7.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.27	8.10	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.40	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.708	7.57	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
919005-14-4	ADONA	ND		ng/L	0.536	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:09	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.941	1.96	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.870	1.94	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.05	5.06	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.42	25.3	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.58	25.3	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.04	20.2	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.02	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.
23G0963

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100964201

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PFAS, EPA 1633 Target List

Log-in Notes: CONT, PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	4.04	20.2	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.82	2.02	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:09	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		128 %	25-150								
Surrogate: M5PFHxA		135 %	25-150								
Surrogate: M4PFHpA		122 %	25-150								
Surrogate: M3PFHxS		135 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		102 %	25-150								
Surrogate: M6PFDA		104 %	25-150								
Surrogate: M7PFUdA		95.3 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		95.7 %	25-150								
Surrogate: M2PFTeDA		73.1 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		19.0 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		118 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		121 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		134 %	10-150								
Surrogate: d3-N-MeFOSAA		175 %	25-150								
Surrogate: d5-N-EtFOSAA		215 %	25-150								
Surrogate: M2-6:2 FTS		233 %	25-200								
Surrogate: M2-8:2 FTS		162 %	25-200								
Surrogate: M9PFNA		75.7 %	25-150								
Surrogate: M2-4:2 FTS		204 %	25-150								
Surrogate: d-N-MeFOSA		105 %	25-150								
Surrogate: d-N-EtFOSA		107 %	25-150								
Surrogate: M3HFPO-DA		121 %	25-150								
Surrogate: d9-N-EtFOSE		67.4 %	25-150								
Surrogate: d7-N-MeFOSE		75.7 %	25-150								



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07/18/2023

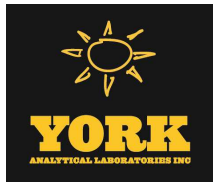
PEST, 8081 MASTER

Log-in Notes: CONT, PRES

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	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
33213-65-9	Endosulfan II	ND	P	ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 13:02	SCB



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

23G0963

Client Project ID

100964201

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July 18, 2023 8:00 am

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PEST, 8081 MASTER

Log-in Notes: CONT, PRES

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
57-74-9	* Chlordane, total	ND		ug/L	0.216	1	EPA 8081B Certifications:	07/19/2023 08:36	07/20/2023 13:02	SCB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	59.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.7 %		30-150						

PCB, 8082 MASTER

Log-in Notes: CONT, PRES

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	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 08:36	07/20/2023 04:42	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	07/19/2023 08:36	07/20/2023 04:42	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	59.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	36.5 %		30-120						

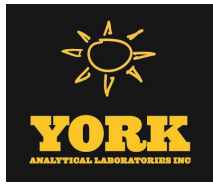
HERB, 8151 MASTER

Log-in Notes: CONT, PRES

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:39	07/26/2023 16:33	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:39	07/26/2023 16:33	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:39	07/26/2023 16:33	BCJ
Surrogate Recoveries		Result		Acceptance Range						



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

23G0963

Client Project ID

100964201

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HERB, 8151 MASTER

Log-in Notes: CONT, PRES

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
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 56.6 %				30-150					

Metals, Target Analyte, ICP

Log-in Notes: CONT, PRES

Sample Notes:

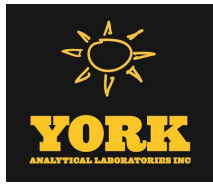
Sample Prepared by Method: EPA 3015A

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-70-2	Calcium	0.298		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-50-8	Copper	ND	M-CCV 1	mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7439-95-4	Magnesium	0.0863		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-02-0	Nickel	0.0178		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-09-7	Potassium	0.0631	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-23-5	Sodium	ND	M-CCV 1	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-62-2	Vanadium	ND	M-CCV 1	mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG
7440-66-6	Zinc	0.0278		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:26	07/26/2023 19:12	CEG

Metals, Target Analyte, ICPMS

Log-in Notes: CONT, PRES

Sample Notes:



Sample Information

Client Sample ID: FB01_071823

York Sample ID: 23G0963-01

York Project (SDG) No.

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Sample 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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:14	cw
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:14	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:14	cw
7440-43-9	Cadmium	ND	M-CCV 1	mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:14	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:14	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:35	07/25/2023 14:14	cw

Mercury by 7470/7471

Log-in Notes: CONT, PRES

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:10	07/25/2023 08:10	PA

Chromium, Hexavalent

Log-in Notes: CONT, PRES

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/18/2023 19:55	07/18/2023 21:17	SMK

Chromium, Trivalent

Log-in Notes: CONT, PRES

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 Certifications:	07/26/2023 08:32	07/28/2023 08:24	VR

Cyanide, Total

Log-in Notes: CONT, PRES

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-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/19/2023 14:44	07/19/2023 21:21	SL



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G0963

100964201

Soil

July 18, 2023 9:45 am

07/18/2023

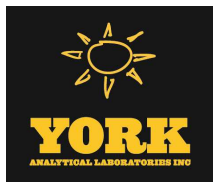
VOA, 8260 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/25/2023 23:56	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/25/2023 23:56	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:45 am

07/18/2023

VOA, 8260 MASTER

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/25/2023 23:56	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
67-64-1	Acetone	0.054		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 9:45 am

Date Received

07/18/2023

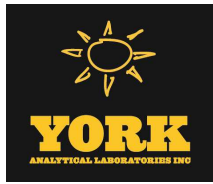
VOA, 8260 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:45 am

07/18/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/25/2023 23:56	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/25/2023 23:56	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/25/2023 23:56	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

Client Project ID

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23G0963

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Soil

July 18, 2023 9:45 am

07/18/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
105-67-9	2,4-Dimethylphenol	0.344		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
91-57-6	2-Methylnaphthalene	13.5		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
95-48-7	2-Methylphenol	0.125		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
65794-96-9	3- & 4-Methylphenols	0.313		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

23G0963

Client Project ID

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July 18, 2023 9:45 am

Date Received

07/18/2023

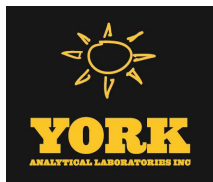
SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
83-32-9	Acenaphthene	21.0		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
208-96-8	Acenaphthylene	7.83		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
120-12-7	Anthracene	58.9		mg/kg dry	2.34	4.67	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:56	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
56-55-3	Benzo(a)anthracene	69.4		mg/kg dry	2.34	4.67	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:56	KH
50-32-8	Benzo(a)pyrene	64.6		mg/kg dry	2.34	4.67	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:56	KH
205-99-2	Benzo(b)fluoranthene	73.4		mg/kg dry	2.34	4.67	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:56	KH
191-24-2	Benzo(g,h,i)perylene	30.7		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
207-08-9	Benzo(k)fluoranthene	26.4		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

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Soil

July 18, 2023 9:45 am

07/18/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
86-74-8	Carbazole	21.9		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
218-01-9	Chrysene	66.8		mg/kg dry	2.34	4.67	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:56	KH
53-70-3	Dibenzo(a,h)anthracene	9.57		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
132-64-9	Dibenzofuran	20.2		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
206-44-0	Fluoranthene	162		mg/kg dry	4.68	9.33	200	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/27/2023 15:03	KH
86-73-7	Fluorene	25.0		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	34.1		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
91-20-3	Naphthalene	21.5		mg/kg dry	0.585	1.17	25	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:25	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

23G0963

Client Project ID

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July 18, 2023 9:45 am

Date Received

07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
85-01-8	Phenanthrene	191		mg/kg dry	4.68	9.33	200	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/27/2023 15:03	KH
108-95-2	Phenol	0.136		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
129-00-0	Pyrene	136		mg/kg dry	2.34	4.67	100	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 11:56	KH
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 13:42	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	46.8 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	44.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	35.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	51.9 %	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 Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 12:48	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	95.3 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.124	0.198	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	0.0711	J	ug/kg dry	0.0593	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.117	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.200	0.205	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.192	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 9:45 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.187	0.208	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.211	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.214	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.221	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.182	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.140	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.115	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.166	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.217	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.122	0.447	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.163	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.173	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.214	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.666	0.850	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.844	0.859	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.122	0.895	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 13:44	07/26/2023 12:56	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.155	0.398	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.216	0.447	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0693	0.447	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.107	0.447	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.176	0.210	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.
23G0963

Client Project ID
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Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.666	0.839	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.680	0.895	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.348	0.846	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.275	0.837	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.195	0.846	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.189	0.217	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.139	0.215	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.709	1.12	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.35	5.59	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.68	5.59	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.683	2.24	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.201	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.780	2.24	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.221	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 13:44	07/26/2023 12:56	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		103 %	25-150								
Surrogate: M5PFHxA		70.8 %	25-150								
Surrogate: M4PFHpA		104 %	25-150								
Surrogate: M3PFHxS		142 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		108 %	25-150								
Surrogate: M6PFDA		112 %	25-150								
Surrogate: M7PFUdA		89.0 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		92.9 %	25-150								
Surrogate: M2PFTeDA		72.5 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		3.21 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		112 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		21.3 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		95.0 %	10-150								



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
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July 18, 2023 9:45 am

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	109 %			25-150						
	Surrogate: d5-N-EtFOSAA	142 %			25-150						
	Surrogate: M2-6:2 FTS	272 %			25-200						
	Surrogate: M2-8:2 FTS	178 %			25-200						
	Surrogate: M9PFNA	121 %			25-150						
	Surrogate: M2-4:2 FTS	95.6 %			25-150						
	Surrogate: d-N-MeFOSA	70.0 %			25-150						
	Surrogate: d-N-EtFOSA	62.2 %			25-150						
	Surrogate: M3HFPO-DA	53.9 %			25-150						
	Surrogate: d9-N-EtFOSE	63.4 %			25-150						
	Surrogate: d7-N-MeFOSE	68.6 %			25-150						

PEST, 8081 MASTER

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	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/23/2023 08:36	07/24/2023 22:34	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

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PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND	P	mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:34	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B Certifications:	07/23/2023 08:36	07/24/2023 22:34	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	106 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.2 %	30-150							

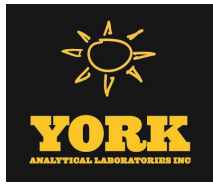
PCB, 8082 MASTER

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	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:10	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	07/23/2023 08:36	07/23/2023 21:10	SCB



Sample Information

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07/18/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	63.0 %		30-120						

HERB, 8151 MASTER

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	0.0223	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/25/2023 15:12	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/25/2023 15:12	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/25/2023 15:12	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	60.0 %		21-150						

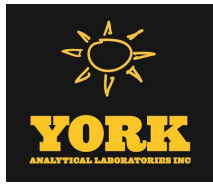
Metals, Target Analyte

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	14000		mg/kg dry	4.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-36-0	Antimony	25.4		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-38-2	Arsenic	52.0		mg/kg dry	1.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-39-3	Barium	106		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-41-7	Beryllium	0.451		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.281	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-70-2	Calcium	4280		mg/kg dry	4.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-47-3	Chromium	32.9	M-CCV 1	mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-48-4	Cobalt	14.7		mg/kg dry	0.374	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-50-8	Copper	96.9		mg/kg dry	1.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG



Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:45 am

07/18/2023

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
7439-89-6	Iron	79200		mg/kg dry	23.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7439-92-1	Lead	215		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7439-95-4	Magnesium	2710		mg/kg dry	4.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7439-96-5	Manganese	586		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-02-0	Nickel	26.9		mg/kg dry	0.932	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-09-7	Potassium	1690	M-CCV 1, B	mg/kg dry	4.68	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-22-4	Silver	ND		mg/kg dry	0.472	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-23-5	Sodium	176		mg/kg dry	46.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-28-0	Thallium	62.6		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-62-2	Vanadium	40.9		mg/kg dry	0.932	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG
7440-66-6	Zinc	116		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:39	CEG

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	0.541		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 12:24	07/25/2023 19:16	AGNR

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	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

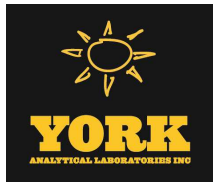
RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB01_2-4

York Sample ID: 23G0963-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:45 am

07/18/2023

16065-83-1 * Chromium, Trivalent 32.9 mg/kg 0.500 1 Calculation 07/26/2023 07:36 07/28/2023 12:26 VR
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	0.561	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 09:24	07/21/2023 16:24	JAMT

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	89.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/21/2023 12:39	07/21/2023 16:08	PMB



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

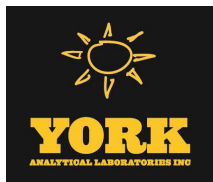
VOA, 8260 MASTER

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	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 00:22	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 00:22	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

VOA, 8260 MASTER

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	0.027	0.055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 00:22	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
67-64-1	Acetone	0.0069		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC





Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 9:50 am

Date Received
07/18/2023

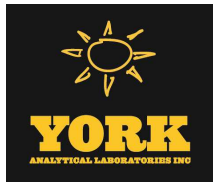
VOA, 8260 MASTER

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	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 00:22	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0014	0.0027	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 00:22	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 00:22	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	106 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

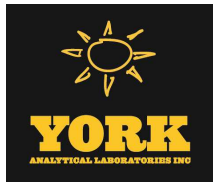
SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

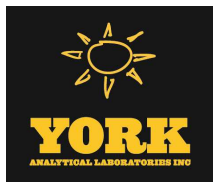
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 9:50 am

Date Received

07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 11:43	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	86.0 %		20-108							
13127-88-3	Surrogate: SURR: Phenol-d6	79.9 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	97.9 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	95.6 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	152 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	96.2 %		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	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/01/2023 18:11	08/03/2023 13:59	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	57.6 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.123	0.196	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0588	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.116	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.199	0.203	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.191	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.
23G0963

Client Project ID
100964201

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Soil

Collection Date/Time
July 18, 2023 9:50 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.185	0.206	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.210	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.212	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.220	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.181	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.139	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.114	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.164	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.215	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.121	0.444	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.162	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.172	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.212	0.214	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.660	0.843	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.837	0.852	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.121	0.887	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:00	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.154	0.395	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.214	0.444	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0688	0.444	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.106	0.444	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.174	0.208	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ



Sample Information

Client Sample ID: SB01_7.5-9.5

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Collection Date/Time
July 18, 2023 9:50 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.660	0.832	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.674	0.887	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.345	0.838	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.273	0.830	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.193	0.838	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.187	0.215	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.138	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.703	1.11	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.33	5.54	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.66	5.54	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.678	2.22	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.200	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.773	2.22	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.220	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:00	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		37.2 %	25-150								
Surrogate: M5PFHxA		73.8 %	25-150								
Surrogate: M4PFHpA		90.1 %	25-150								
Surrogate: M3PFHxS		88.0 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		79.4 %	25-150								
Surrogate: M6PFDA		67.9 %	25-150								
Surrogate: M7PFUdA		75.1 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		67.7 %	25-150								
Surrogate: M2PFTeDA		57.6 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.566 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		78.4 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		1.46 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		66.9 %	10-150								



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.
23G0963

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Soil

Collection Date/Time
July 18, 2023 9:50 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	57.4 %			25-150						
	Surrogate: d5-N-EtFOSAA	74.8 %			25-150						
	Surrogate: M2-6:2 FTS	46.6 %			25-200						
	Surrogate: M2-8:2 FTS	38.7 %			25-200						
	Surrogate: M9PFNA	78.1 %			25-150						
	Surrogate: M2-4:2 FTS	50.4 %			25-150						
	Surrogate: d-N-MeFOSA	56.1 %			25-150						
	Surrogate: d-N-EtFOSA	59.8 %			25-150						
	Surrogate: M3HFPO-DA	69.2 %			25-150						
	Surrogate: d9-N-EtFOSE	54.6 %			25-150						
	Surrogate: d7-N-MeFOSE	69.5 %			25-150						

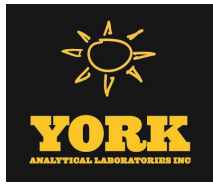
PEST, 8081 MASTER

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	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
319-86-8	delta-BHC	ND	P	mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/01/2023 10:55	08/03/2023 13:54	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 9:50 am

Date Received

07/18/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:54	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications:	08/01/2023 10:55	08/03/2023 13:54	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	129 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	94.2 %	30-150							

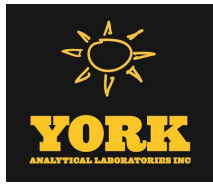
PCB, 8082 MASTER

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	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 12:56	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/01/2023 10:55	08/03/2023 12:56	BCJ



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 9:50 am

Date Received

07/18/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	74.5 %		30-120						

HERB, 8151 MASTER

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	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:24	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:24	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:24	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	91.4 %		21-150						

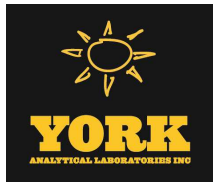
Metals, Target Analyte

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	4240		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-36-0	Antimony	3.25		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-38-2	Arsenic	4.08		mg/kg dry	1.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-39-3	Barium	23.4		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-41-7	Beryllium	0.115		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-70-2	Calcium	4770		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-47-3	Chromium	8.89		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-48-4	Cobalt	3.86		mg/kg dry	0.371	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-50-8	Copper	7.59		mg/kg dry	1.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG



Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 9:50 am

Date Received

07/18/2023

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
7439-89-6	Iron	8680		mg/kg dry	23.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7439-92-1	Lead	6.39		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7439-95-4	Magnesium	3170		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7439-96-5	Manganese	288		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-02-0	Nickel	6.18		mg/kg dry	0.924	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-09-7	Potassium	773		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-22-4	Silver	ND		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-23-5	Sodium	134		mg/kg dry	46.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-28-0	Thallium	3.06		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-62-2	Vanadium	12.1		mg/kg dry	0.924	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG
7440-66-6	Zinc	16.3		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:37	CEG

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	ND		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/05/2023 08:21	08/05/2023 12:23	AGNR

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	0.557	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB01_7.5-9.5

York Sample ID: 23G0963-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 9:50 am

07/18/2023

16065-83-1 * Chromium, Trivalent 8.89 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 16:56 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	HT-01	mg/kg dry	0.557	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:54	08/03/2023 15:14	JAMT

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	89.8		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/01/2023 19:32	08/02/2023 00:24	CAM2



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

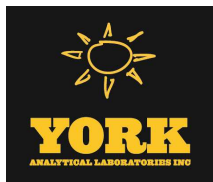
VOA, 8260 MASTER

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	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 01:15	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 01:15	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

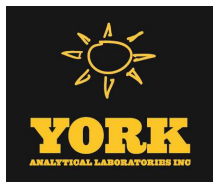
VOA, 8260 MASTER

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	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 01:15	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
67-64-1	Acetone	0.018		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

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Soil

July 18, 2023 10:30 am

07/18/2023

VOA, 8260 MASTER

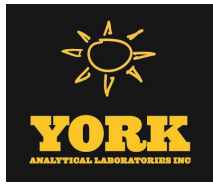
Log-in Notes:

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	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC





Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 01:15	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 01:15	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 01:15	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
91-57-6	2-Methylnaphthalene	0.128		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

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23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
83-32-9	Acenaphthene	0.408		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
208-96-8	Acenaphthylene	0.109		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
120-12-7	Anthracene	1.14		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
56-55-3	Benzo(a)anthracene	2.50		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
50-32-8	Benzo(a)pyrene	2.06		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
205-99-2	Benzo(b)fluoranthene	1.72		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
191-24-2	Benzo(g,h,i)perylene	0.991		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
207-08-9	Benzo(k)fluoranthene	1.50		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

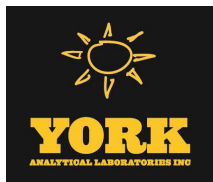
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
86-74-8	Carbazole	0.537		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
218-01-9	Chrysene	2.29		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
53-70-3	Dibenzo(a,h)anthracene	0.393		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
132-64-9	Dibenzofuran	0.264		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
206-44-0	Fluoranthene	6.07		mg/kg dry	0.236	0.471	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 12:26	KH
86-73-7	Fluorene	0.414		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.22		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
91-20-3	Naphthalene	0.185		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
85-01-8	Phenanthrene	6.08		mg/kg dry	0.236	0.471	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 12:26	KH
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
129-00-0	Pyrene	5.57		mg/kg dry	0.236	0.471	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/26/2023 12:26	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:12	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.6 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	55.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	72.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.4 %	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 Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 13:05	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	83.6 %	39-127.5							

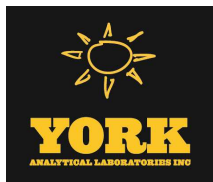
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.125	0.199	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0595	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.118	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.201	0.205	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.193	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

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Soil

July 18, 2023 10:30 am

07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.187	0.209	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.212	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.214	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.222	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.183	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.140	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.116	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.166	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.218	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.122	0.449	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.164	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.174	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.214	0.217	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.668	0.853	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.848	0.862	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.122	0.898	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:44	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.156	0.400	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.217	0.449	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0696	0.449	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.108	0.449	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.176	0.211	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.668	0.842	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.683	0.898	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.349	0.849	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.276	0.840	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.195	0.849	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.190	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.139	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.712	1.12	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.36	5.61	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.68	5.61	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.686	2.25	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.202	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.782	2.25	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.222	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:44	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	136 %	25-150
Surrogate: M5PFHxA	168 %	25-150
Surrogate: M4PFHpA	133 %	25-150
Surrogate: M3PFHxS	138 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	135 %	25-150
Surrogate: M6PFDA	87.4 %	25-150
Surrogate: M7PFUDa	101 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	113 %	25-150
Surrogate: M2PFTeDA	93.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	47.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	151 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	148 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	143 %	10-150



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 10:30 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	221 %			25-150						
	Surrogate: d5-N-EtFOSAA	255 %			25-150						
	Surrogate: M2-6:2 FTS	414 %			25-200						
	Surrogate: M2-8:2 FTS	301 %			25-200						
	Surrogate: M9PFNA	156 %			25-150						
	Surrogate: M2-4:2 FTS	281 %			25-150						
	Surrogate: d-N-MeFOSA	79.9 %			25-150						
	Surrogate: d-N-EtFOSA	92.2 %			25-150						
	Surrogate: M3HFPO-DA	134 %			25-150						
	Surrogate: d9-N-EtFOSE	90.5 %			25-150						
	Surrogate: d7-N-MeFOSE	96.1 %			25-150						

PEST, 8081 MASTER

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	P	mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
50-29-3	4,4'-DDT	ND	P	mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
60-57-1	Dieldrin	ND	P	mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/23/2023 08:36	07/24/2023 22:52	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
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Collection Date/Time
July 18, 2023 10:30 am

Date Received
07/18/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND	P	mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/23/2023 08:36	07/24/2023 22:52	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B Certifications:	07/23/2023 08:36	07/24/2023 22:52	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	102 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.9 %	30-150							

PCB, 8082 MASTER

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	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/23/2023 08:36	07/23/2023 21:23	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	07/23/2023 08:36	07/23/2023 21:23	SCB



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

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Soil

July 18, 2023 10:30 am

07/18/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	76.0 %			30-120					

HERB, 8151 MASTER

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	0.0227	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:33	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:33	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:33	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	50.4 %			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	8760		mg/kg dry	4.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-36-0	Antimony	11.6		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-38-2	Arsenic	27.9		mg/kg dry	1.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-39-3	Barium	100		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-41-7	Beryllium	0.261		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.283	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-70-2	Calcium	5800		mg/kg dry	4.72	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-47-3	Chromium	16.9	M-CCV 1	mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-48-4	Cobalt	10.3		mg/kg dry	0.378	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-50-8	Copper	135		mg/kg dry	1.89	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

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
7439-89-6	Iron	40800		mg/kg dry	23.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7439-92-1	Lead	258		mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7439-95-4	Magnesium	2170		mg/kg dry	4.73	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7439-96-5	Manganese	499		mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-02-0	Nickel	22.4		mg/kg dry	0.941	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-09-7	Potassium	1390	M-CCV 1, B	mg/kg dry	4.73	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-22-4	Silver	ND		mg/kg dry	0.476	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-23-5	Sodium	589		mg/kg dry	47.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-28-0	Thallium	30.3		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-62-2	Vanadium	25.1		mg/kg dry	0.941	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG
7440-66-6	Zinc	183		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:42	CEG

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	0.232		mg/kg dry	0.0340	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 12:24	07/25/2023 19:25	AGNR

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	0.567	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

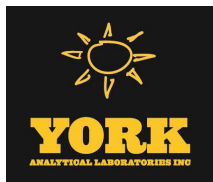
RICHMOND HILL, NY 11418

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(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: SB02_3-5

York Sample ID: 23G0963-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 10:30 am

07/18/2023

16065-83-1 * Chromium, Trivalent 16.9 mg/kg 0.500 1 Calculation 07/26/2023 07:36 07/28/2023 12:26 VR
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	0.567	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 09:24	07/21/2023 16:24	JAMT

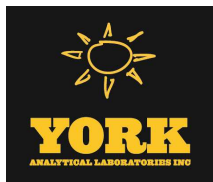
Total Solids

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	88.2		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/21/2023 12:39	07/21/2023 16:08	PMB



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:15 pm

07/18/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes: VOA-Re

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 08:45	07/27/2023 12:13	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 08:45	07/27/2023 12:13	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC





Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:15 pm

07/18/2023

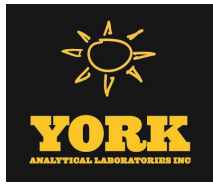
VOA, 8260 MASTER

Log-in Notes:

Sample Notes: VOA-Re

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 08:45	07/27/2023 12:13	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 12:15 pm

Date Received

07/18/2023

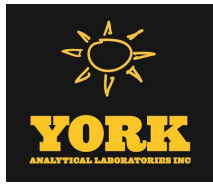
VOA, 8260 MASTER

Log-in Notes:

Sample Notes: VOA-Re

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
79-20-9	Methyl acetate	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

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Matrix

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23G0963

100964201

Soil

July 18, 2023 12:15 pm

07/18/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes: VOA-Re

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	QL-02	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 08:45	07/27/2023 12:13	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 08:45	07/27/2023 12:13	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 08:45	07/27/2023 12:13	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.7 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	0.209	J	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.
23G0963

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July 18, 2023 12:15 pm

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07/18/2023

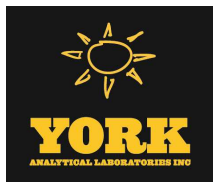
SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
91-57-6	2-Methylnaphthalene	0.809		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

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July 18, 2023 12:15 pm

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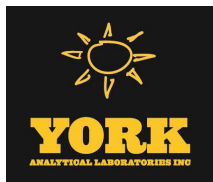
SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
83-32-9	Acenaphthene	0.541		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
208-96-8	Acenaphthylene	0.215	J	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
62-53-3	Aniline	ND		mg/kg dry	0.456	0.912	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
120-12-7	Anthracene	1.46		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
92-87-5	Benzidine	ND		mg/kg dry	0.456	0.912	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
56-55-3	Benzo(a)anthracene	3.72		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
50-32-8	Benzo(a)pyrene	3.75		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
205-99-2	Benzo(b)fluoranthene	4.69		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
191-24-2	Benzo(g,h,i)perylene	2.56	CAL-E	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
207-08-9	Benzo(k)fluoranthene	1.72		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH



Sample Information

Client Sample ID: SB03_0-2

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Soil

July 18, 2023 12:15 pm

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SVOA, 8270 MASTER

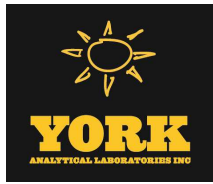
Log-in Notes:

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
105-60-2	Caprolactam	ND		mg/kg dry	0.228	0.455	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
86-74-8	Carbazole	0.422		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
218-01-9	Chrysene	3.51		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
53-70-3	Dibenzo(a,h)anthracene	0.737	CCVE	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
132-64-9	Dibenzofuran	0.433		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
206-44-0	Fluoranthene	7.82		mg/kg dry	0.228	0.456	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 16:44	KH
86-73-7	Fluorene	0.634		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	3.15	CCVE	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
78-59-1	Isophorone	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
91-20-3	Naphthalene	0.532		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH





Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 12:15 pm

Date Received

07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
85-01-8	Phenanthrene	6.23		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
108-95-2	Phenol	ND		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
129-00-0	Pyrene	6.81		mg/kg dry	0.114	0.228	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.456	0.912	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:12	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.3 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	55.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	92.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	93.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	101 %	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 Certifications: NELAC-NY10854	08/01/2023 18:11	08/03/2023 14:16	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %	39-127.5							

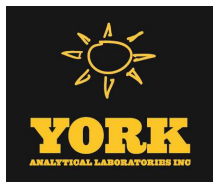
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.123	0.196	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0588	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.116	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.199	0.203	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.191	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

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July 18, 2023 12:15 pm

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.185	0.206	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.210	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.212	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.220	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.181	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.139	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.114	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.164	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.215	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.121	0.444	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.162	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.172	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.212	0.214	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.660	0.843	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.837	0.852	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.121	0.887	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:16	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.154	0.395	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.214	0.444	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0688	0.444	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.106	0.444	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.174	0.209	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Soil

July 18, 2023 12:15 pm

07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.660	0.832	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.674	0.887	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.345	0.839	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.273	0.830	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.193	0.839	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.187	0.215	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.138	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.703	1.11	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.33	5.55	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.66	5.55	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.678	2.22	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.200	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.773	2.22	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.220	0.222	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:16	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		89.1 %	25-150								
Surrogate: M5PFHxA		104 %	25-150								
Surrogate: M4PFHpA		101 %	25-150								
Surrogate: M3PFHxS		102 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		97.1 %	25-150								
Surrogate: M6PFDA		95.9 %	25-150								
Surrogate: M7PFUdA		104 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		98.2 %	25-150								
Surrogate: M2PFTeDA		73.4 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.776 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		99.5 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		6.28 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		115 %	10-150								



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.
23G0963

Client Project ID
100964201

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Collection Date/Time
July 18, 2023 12:15 pm

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	103 %			25-150						
	Surrogate: d5-N-EtFOSAA	127 %			25-150						
	Surrogate: M2-6:2 FTS	69.8 %			25-200						
	Surrogate: M2-8:2 FTS	75.6 %			25-200						
	Surrogate: M9PFNA	98.9 %			25-150						
	Surrogate: M2-4:2 FTS	67.7 %			25-150						
	Surrogate: d-N-MeFOSA	75.9 %			25-150						
	Surrogate: d-N-EtFOSA	59.7 %			25-150						
	Surrogate: M3HFPO-DA	109 %			25-150						
	Surrogate: d9-N-EtFOSE	61.4 %			25-150						
	Surrogate: d7-N-MeFOSE	70.9 %			25-150						

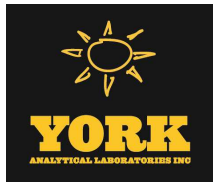
PEST, 8081 MASTER

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 [2C]	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
50-29-3	4,4'-DDT	0.00438		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
5103-71-9	alpha-Chlordane	ND	P	mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/01/2023 10:55	08/03/2023 14:12	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ



Sample Information

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July 18, 2023 12:15 pm

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PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:12	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications:	08/01/2023 10:55	08/03/2023 14:12	BCJ
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	129 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.5 %		30-150						

PCB, 8082 MASTER

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	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:24	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/01/2023 10:55	08/03/2023 13:24	BCJ



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 12:15 pm

Date Received

07/18/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	85.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	72.5 %			30-120					

HERB, 8151 MASTER

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	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:35	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:35	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:35	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	47.0 %			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	6130		mg/kg dry	4.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-36-0	Antimony	38.0		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-38-2	Arsenic	70.9		mg/kg dry	1.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-39-3	Barium	357		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-41-7	Beryllium	0.989		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.280	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-70-2	Calcium	9500		mg/kg dry	4.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-47-3	Chromium	25.6		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-48-4	Cobalt	14.5		mg/kg dry	0.372	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-50-8	Copper	147		mg/kg dry	1.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:15 pm

07/18/2023

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
7439-89-6	Iron	85200		mg/kg dry	23.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7439-92-1	Lead	265		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7439-95-4	Magnesium	1590		mg/kg dry	4.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7439-96-5	Manganese	451		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-02-0	Nickel	29.6		mg/kg dry	0.928	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-09-7	Potassium	1360		mg/kg dry	4.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-22-4	Silver	ND		mg/kg dry	0.470	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-23-5	Sodium	537		mg/kg dry	46.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-28-0	Thallium	68.3		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-62-2	Vanadium	34.2		mg/kg dry	0.928	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG
7440-66-6	Zinc	264		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:40	CEG

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	0.453		mg/kg dry	0.0335	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/05/2023 08:21	08/05/2023 12:23	AGNR

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	0.559	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

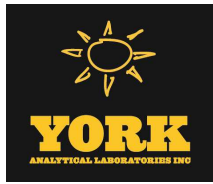
RICHMOND HILL, NY 11418

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(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: SB03_0-2

York Sample ID: 23G0963-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:15 pm

07/18/2023

16065-83-1 * Chromium, Trivalent 25.6 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 16:56 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	HT-01	mg/kg dry	0.559	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:54	08/03/2023 15:14	JAMT

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	89.4		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/01/2023 19:32	08/02/2023 00:24	CAM2



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

VOA, 8260 MASTER

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	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 02:33	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 02:33	BMC
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

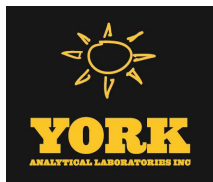
VOA, 8260 MASTER

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	0.069	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 02:33	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
95-49-8	2-Chlorotoluene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
106-43-4	4-Chlorotoluene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
67-64-1	Acetone	0.029		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-86-1	Bromobenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

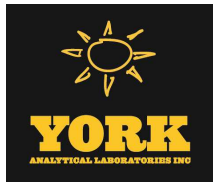
VOA, 8260 MASTER

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	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

23G0963

Client Project ID

100964201

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Collection Date/Time

July 18, 2023 12:30 pm

Date Received

07/18/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 02:33	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0034	0.0069	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 02:33	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 02:33	BMC
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	120 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	140 %	IS-LO, S-03, S-08	76-130							

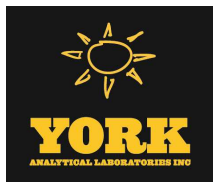
SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
91-57-6	2-Methylnaphthalene	0.161		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
83-32-9	Acenaphthene	0.355		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
208-96-8	Acenaphthylene	0.0565	J	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
62-53-3	Aniline	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
120-12-7	Anthracene	0.559		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
56-55-3	Benzo(a)anthracene	1.17		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
50-32-8	Benzo(a)pyrene	1.03		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
205-99-2	Benzo(b)fluoranthene	0.877		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
191-24-2	Benzo(g,h,i)perylene	0.570		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
207-08-9	Benzo(k)fluoranthene	0.780		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
86-74-8	Carbazole	0.310		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
218-01-9	Chrysene	1.10		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
53-70-3	Dibenzo(a,h)anthracene	0.170		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
132-64-9	Dibenzofuran	0.279		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
206-44-0	Fluoranthene	3.11		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
86-73-7	Fluorene	0.271		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.692		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
91-20-3	Naphthalene	0.475		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 12:30 pm

Date Received
07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
85-01-8	Phenanthrene	3.38		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
108-95-2	Phenol	ND		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
129-00-0	Pyrene	2.69		mg/kg dry	0.0537	0.107	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.429	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 18:10	07/25/2023 14:42	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.8 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	54.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	65.8 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.6 %	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	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 13:22	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	79.3 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.147	0.234	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0700	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.139	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.236	0.242	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.227	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.221	0.246	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.250	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.252	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.261	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.215	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.165	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.136	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.195	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.256	0.264	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.144	0.528	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.193	0.264	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.205	0.264	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.252	0.255	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.786	1.00	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.997	1.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.144	1.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 17:56	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.184	0.470	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.255	0.528	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0819	0.528	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.127	0.528	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.207	0.248	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
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Collection Date/Time
July 18, 2023 12:30 pm

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.786	0.990	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.803	1.06	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.411	0.998	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.325	0.988	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.230	0.998	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.223	0.256	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.164	0.254	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.837	1.32	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.77	6.60	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.98	6.60	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.807	2.64	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.238	0.264	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.920	2.64	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.261	0.264	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 17:56	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		162 %	25-150								
Surrogate: M5PFHxA		145 %	25-150								
Surrogate: M4PFHpA		120 %	25-150								
Surrogate: M3PFHxS		164 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		120 %	25-150								
Surrogate: M6PFDA		126 %	25-150								
Surrogate: M7PFUdA		135 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		122 %	25-150								
Surrogate: M2PFTeDA		101 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		62.2 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		126 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		150 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		138 %	10-150								



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 12:30 pm

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	154 %			25-150						
	Surrogate: d5-N-EtFOSAA	194 %			25-150						
	Surrogate: M2-6:2 FTS	281 %			25-200						
	Surrogate: M2-8:2 FTS	182 %			25-200						
	Surrogate: M9PFNA	132 %			25-150						
	Surrogate: M2-4:2 FTS	238 %			25-150						
	Surrogate: d-N-MeFOSA	90.8 %			25-150						
	Surrogate: d-N-EtFOSA	53.5 %			25-150						
	Surrogate: M3HFPO-DA	125 %			25-150						
	Surrogate: d9-N-EtFOSE	75.7 %			25-150						
	Surrogate: d7-N-MeFOSE	76.9 %			25-150						

PEST, 8081 MASTER

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	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
319-86-8	delta-BHC	ND	P	mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 08:09	07/25/2023 19:46	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 12:30 pm

Date Received

07/18/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.217	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 08:09	07/25/2023 19:46	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0434	5	EPA 8081B Certifications:	07/25/2023 08:09	07/25/2023 19:46	BCJ
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	97.8 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	98.4 %					30-150			

PCB, 8082 MASTER

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	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 08:09	07/26/2023 00:27	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0219	1	EPA 8082A Certifications:	07/25/2023 08:09	07/26/2023 00:27	BCJ



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 12:30 pm

Date Received

07/18/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	110 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	112 %		30-120						

HERB, 8151 MASTER

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	0.0265	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:44	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0265	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:44	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0265	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:44	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	25.6 %		21-150						

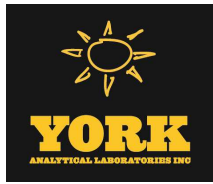
Metals, Target Analyte

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	6320		mg/kg dry	5.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-36-0	Antimony	5.36		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-38-2	Arsenic	15.8		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-39-3	Barium	53.2		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-41-7	Beryllium	0.169		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.331	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-70-2	Calcium	1790		mg/kg dry	5.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-47-3	Chromium	12.3	M-CCV 1	mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-48-4	Cobalt	8.37		mg/kg dry	0.441	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-50-8	Copper	54.4		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG



Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

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
7439-89-6	Iron	19200		mg/kg dry	27.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7439-92-1	Lead	172		mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7439-95-4	Magnesium	1680		mg/kg dry	5.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7439-96-5	Manganese	230		mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-02-0	Nickel	18.5		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-09-7	Potassium	930	M-CCV 1, B	mg/kg dry	5.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-22-4	Silver	ND		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-23-5	Sodium	156		mg/kg dry	55.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-28-0	Thallium	14.6		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-62-2	Vanadium	18.8		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG
7440-66-6	Zinc	96.1		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:44	CEG

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	0.536		mg/kg dry	0.0397	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 12:24	07/25/2023 19:34	AGNR

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	0.662	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB03_3-5

York Sample ID: 23G0963-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 12:30 pm

07/18/2023

16065-83-1 * Chromium, Trivalent 12.3 mg/kg 0.500 1 Calculation 07/26/2023 07:36 07/28/2023 12:26 VR
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	0.662	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 09:24	07/21/2023 16:24	JAMT

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	75.6		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/21/2023 12:39	07/21/2023 16:08	PMB



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

VOA, 8260 MASTER

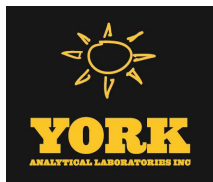
Log-in Notes:

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	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:26	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:26	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC





Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

VOA, 8260 MASTER

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:26	BMC
78-93-3	2-Butanone	0.0044		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
67-64-1	Acetone	0.026		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-15-0	Carbon disulfide	0.0022	J	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC





Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

VOA, 8260 MASTER

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	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:26	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:26	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:26	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	108 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.1 %	76-130								

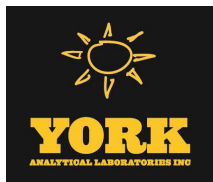
SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
95-50-1	1,2-Dichlorobenzene	0.0650	J	mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

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23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

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Soil

July 18, 2023 1:30 pm

07/18/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
83-32-9	Acenaphthene	0.165		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
208-96-8	Acenaphthylene	0.0869	J	mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
120-12-7	Anthracene	0.288		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
56-55-3	Benzo(a)anthracene	0.684		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
50-32-8	Benzo(a)pyrene	0.610		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
205-99-2	Benzo(b)fluoranthene	0.802		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
191-24-2	Benzo(g,h,i)perylene	0.394	CAL-E	mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
207-08-9	Benzo(k)fluoranthene	0.261		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.
23G0963

Client Project ID
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Soil

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July 18, 2023 1:30 pm

Date Received
07/18/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0945	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
86-74-8	Carbazole	0.0642	J	mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
218-01-9	Chrysene	0.683		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.107		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
132-64-9	Dibenzofuran	0.129		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
206-44-0	Fluoranthene	2.06		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
86-73-7	Fluorene	0.146		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.491	CCVE	mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

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Soil

July 18, 2023 1:30 pm

07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
85-01-8	Phenanthrene	1.36		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
129-00-0	Pyrene	1.65		mg/kg dry	0.0474	0.0945	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 11:34	07/25/2023 12:31	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	66.3 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	64.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.7 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	79.3 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.7 %	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	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/22/2023 17:00	07/25/2023 13:40	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	93.4 %	39-127.5							

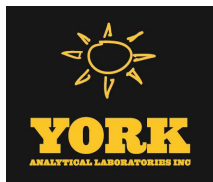
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.125	0.199	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0597	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.118	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.202	0.206	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.194	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

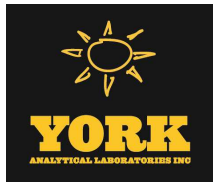
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.188	0.210	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.213	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.215	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.223	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.184	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.141	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.116	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.167	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.219	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.123	0.451	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.165	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.175	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.215	0.218	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.671	0.856	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.851	0.866	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.123	0.902	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/19/2023 13:56	07/25/2023 18:31	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.157	0.401	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.218	0.451	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0699	0.451	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.108	0.451	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.177	0.212	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

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Matrix

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Soil

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.671	0.845	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.685	0.902	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.350	0.852	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.277	0.843	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.196	0.852	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.190	0.219	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.140	0.216	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.714	1.13	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.36	5.63	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.69	5.63	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.689	2.25	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.203	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.785	2.25	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.223	0.225	1	EPA 1633 Draft 3 Certifications:	07/19/2023 13:56	07/25/2023 18:31	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		143 %	25-150								
Surrogate: M5PFHxA		154 %	25-150								
Surrogate: M4PFHpA		132 %	25-150								
Surrogate: M3PFHxS		141 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		120 %	25-150								
Surrogate: M6PFDA		114 %	25-150								
Surrogate: M7PFUDa		115 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		115 %	25-150								
Surrogate: M2PFTeDA		128 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		44.6 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		146 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		129 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		139 %	10-150								



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.
23G0963

Client Project ID
100964201

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Collection Date/Time
July 18, 2023 1:30 pm

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	214 %			25-150						
	Surrogate: d5-N-EtFOSAA	276 %			25-150						
	Surrogate: M2-6:2 FTS	351 %			25-200						
	Surrogate: M2-8:2 FTS	315 %			25-200						
	Surrogate: M9PFNA	142 %			25-150						
	Surrogate: M2-4:2 FTS	266 %			25-150						
	Surrogate: d-N-MeFOSA	124 %			25-150						
	Surrogate: d-N-EtFOSA	129 %			25-150						
	Surrogate: M3HFPO-DA	139 %			25-150						
	Surrogate: d9-N-EtFOSE	112 %			25-150						
	Surrogate: d7-N-MeFOSE	117 %			25-150						

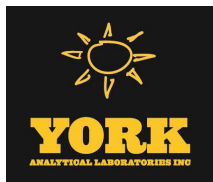
PEST, 8081 MASTER

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	0.00676		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
72-55-9	4,4'-DDE	0.00244		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
5103-71-9	alpha-Chlordane	0.00226		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
60-57-1	Dieldrin	0.00326		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/21/2023 08:07	07/24/2023 13:35	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

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PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	0.00196		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
5566-34-7	gamma-Chlordane	0.00233		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/21/2023 08:07	07/24/2023 13:35	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B Certifications:	07/21/2023 08:07	07/24/2023 13:35	BCJ
	Surrogate Recoveries	Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	68.6 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	41.4 %		30-150						

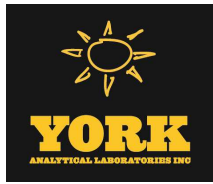
PCB, 8082 MASTER

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	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/21/2023 08:07	07/22/2023 04:32	SCB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	07/21/2023 08:07	07/22/2023 04:32	SCB



Sample Information

Client Sample ID: SB04_0-2

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PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	50.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %			30-120					

HERB, 8151 MASTER

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	0.0228	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:54	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:54	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/20/2023 07:47	07/20/2023 16:54	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	52.8 %			21-150					

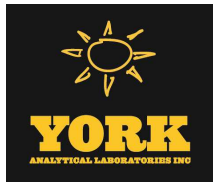
Metals, Target Analyte

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	11500		mg/kg dry	4.75	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-36-0	Antimony	4.93		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-38-2	Arsenic	14.1		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-39-3	Barium	318		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-41-7	Beryllium	0.255		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-43-9	Cadmium	0.354		mg/kg dry	0.285	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-70-2	Calcium	18400		mg/kg dry	4.75	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-47-3	Chromium	24.1	M-CCV 1	mg/kg dry	0.476	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-48-4	Cobalt	8.33		mg/kg dry	0.380	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-50-8	Copper	45.6		mg/kg dry	1.90	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

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
7439-89-6	Iron	20700		mg/kg dry	23.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7439-92-1	Lead	177		mg/kg dry	0.476	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7439-95-4	Magnesium	3460		mg/kg dry	4.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7439-96-5	Manganese	280		mg/kg dry	0.476	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-02-0	Nickel	18.3		mg/kg dry	0.947	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-09-7	Potassium	1740	B, M-CCV 1	mg/kg dry	4.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-22-4	Silver	ND		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-23-5	Sodium	339		mg/kg dry	47.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-28-0	Thallium	13.8		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-62-2	Vanadium	34.4		mg/kg dry	0.947	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG
7440-66-6	Zinc	261		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 14:23	07/27/2023 21:47	CEG

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	0.610		mg/kg dry	0.0342	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/25/2023 12:24	07/25/2023 19:44	AGNR

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	0.570	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/25/2023 09:00	07/25/2023 17:10	JAMT

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB04_0-2

York Sample ID: 23G0963-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:30 pm

07/18/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.1		mg/kg	0.500	1	Calculation	07/26/2023 07:36	07/28/2023 12:26	VR
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	0.570	1	EPA 9014/9010C	07/21/2023 09:24	07/21/2023 16:24	JAMT
Certifications: NELAC-NY10854,CTDOH-PH-0723,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	87.7		%	0.100	1	SM 2540G	07/21/2023 12:39	07/21/2023 16:08	PMB
Certifications: CTDOH-PH-0723										



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

VOA, 8260 MASTER

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	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:52	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:52	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

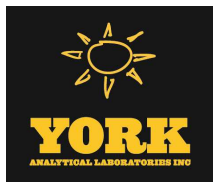
VOA, 8260 MASTER

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	0.038	0.076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:52	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
67-64-1	Acetone	0.0068	J	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

VOA, 8260 MASTER

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	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

23G0963

Client Project ID

100964201

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Collection Date/Time

July 18, 2023 1:45 pm

Date Received

07/18/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/25/2023 13:48	07/26/2023 03:52	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/25/2023 13:48	07/26/2023 03:52	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/25/2023 13:48	07/26/2023 03:52	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

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23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

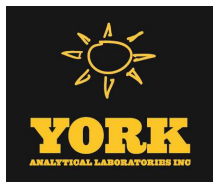
SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

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Soil

July 18, 2023 1:45 pm

07/18/2023

SVOA, 8270 MASTER

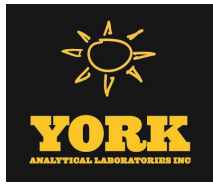
Log-in Notes:

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
62-53-3	Aniline	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
191-24-2	Benzo(g,h,i)perylene	ND	CAL-E	mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH





Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

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Soil

July 18, 2023 1:45 pm

07/18/2023

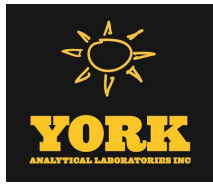
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 1:45 pm

Date Received

07/18/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0452	0.0903	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 18:10	08/03/2023 12:41	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	65.3 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	64.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	78.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	110 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.7 %	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	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/01/2023 18:11	08/03/2023 14:33	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.8 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.122	0.194	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0581	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.115	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.196	0.201	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.189	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.183	0.204	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.207	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.209	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.217	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.179	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.137	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.113	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.162	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.213	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.120	0.439	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.160	0.219	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.170	0.219	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.209	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.652	0.833	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.828	0.842	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.120	0.877	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:32	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.152	0.390	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.212	0.439	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0680	0.439	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.105	0.439	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.172	0.206	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 1:45 pm

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.652	0.822	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.667	0.877	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.341	0.829	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.270	0.820	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.191	0.829	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.185	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.136	0.211	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.695	1.10	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.30	5.48	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.64	5.48	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.670	2.19	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.197	0.219	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.764	2.19	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.217	0.219	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:32	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		74.6 %	25-150								
Surrogate: M5PFHxA		97.2 %	25-150								
Surrogate: M4PFHpA		90.0 %	25-150								
Surrogate: M3PFHxS		95.4 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		97.9 %	25-150								
Surrogate: M6PFDA		68.3 %	25-150								
Surrogate: M7PFUdA		60.1 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		54.8 %	25-150								
Surrogate: M2PFTeDA		43.8 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.688 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		75.4 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		2.80 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		72.2 %	10-150								



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 18, 2023 1:45 pm

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	59.4 %			25-150						
	Surrogate: d5-N-EtFOSAA	62.0 %			25-150						
	Surrogate: M2-6:2 FTS	61.6 %			25-200						
	Surrogate: M2-8:2 FTS	55.9 %			25-200						
	Surrogate: M9PFNA	87.1 %			25-150						
	Surrogate: M2-4:2 FTS	65.2 %			25-150						
	Surrogate: d-N-MeFOSA	53.0 %			25-150						
	Surrogate: d-N-EtFOSA	45.0 %			25-150						
	Surrogate: M3HFPO-DA	100 %			25-150						
	Surrogate: d9-N-EtFOSE	37.7 %			25-150						
	Surrogate: d7-N-MeFOSE	47.7 %			25-150						

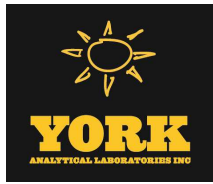
PEST, 8081 MASTER

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	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
319-86-8	delta-BHC	ND	P	mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/01/2023 10:55	08/03/2023 14:30	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 1:45 pm

Date Received

07/18/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 14:30	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B Certifications:	08/01/2023 10:55	08/03/2023 14:30	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	126 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.6 %	30-150							

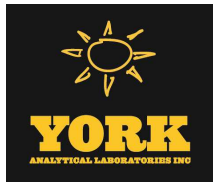
PCB, 8082 MASTER

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	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 10:55	08/03/2023 13:37	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/01/2023 10:55	08/03/2023 13:37	BCJ



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 18, 2023 1:45 pm

Date Received

07/18/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	97.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	75.5 %		30-120						

HERB, 8151 MASTER

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	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:46	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:46	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 11:26	08/02/2023 20:46	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	108 %		21-150						

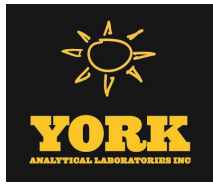
Metals, Target Analyte

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	9040		mg/kg dry	4.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-36-0	Antimony	7.40		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-38-2	Arsenic	12.5		mg/kg dry	1.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-39-3	Barium	57.8		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-41-7	Beryllium	0.098		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.277	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-70-2	Calcium	1240		mg/kg dry	4.61	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-47-3	Chromium	17.4		mg/kg dry	0.462	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-48-4	Cobalt	7.94		mg/kg dry	0.369	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-50-8	Copper	21.0		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

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
7439-89-6	Iron	19300		mg/kg dry	23.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7439-92-1	Lead	18.2		mg/kg dry	0.462	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7439-95-4	Magnesium	2890		mg/kg dry	4.62	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7439-96-5	Manganese	585		mg/kg dry	0.462	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-02-0	Nickel	12.2		mg/kg dry	0.919	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-09-7	Potassium	1440		mg/kg dry	4.62	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-22-4	Silver	ND		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-23-5	Sodium	262		mg/kg dry	46.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-28-0	Thallium	10.7		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-62-2	Vanadium	24.7		mg/kg dry	0.919	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG
7440-66-6	Zinc	35.1		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:42	CEG

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	ND		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/05/2023 08:21	08/05/2023 12:23	AGNR

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	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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(203) 325-1371

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Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 23G0963-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G0963

100964201

Soil

July 18, 2023 1:45 pm

07/18/2023

16065-83-1 * Chromium, Trivalent 17.4 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 16:56 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	HT-01	mg/kg dry	0.554	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:54	08/03/2023 15:14	JAMT

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	90.3		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/01/2023 19:32	08/02/2023 00:24	CAM2



Sample Information

Client Sample ID: EB01_071823

York Sample ID: 23G0963-14

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 18, 2023 8:50 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes: CONT, PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.497	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.370	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.751	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.719	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.444	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.867	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.550	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.793	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.20	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.931	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.783	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.730	2.12	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.836	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.09	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.243	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.931	2.12	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.962	2.02	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.40	2.04	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.12	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.17	8.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.349	8.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ



Sample Information

Client Sample ID: EB01_071823

York Sample ID: 23G0963-14

York Project (SDG) No.

23G0963

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 18, 2023 8:50 am

Date Received

07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes:

CONT, PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.529	3.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.26	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.264	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.391	4.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.804	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.89	7.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.42	8.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.46	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.740	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
919005-14-4	ADONA	ND		ng/L	0.561	8.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/21/2023 12:15	07/25/2023 20:21	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.984	2.05	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.910	2.03	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.15	5.29	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.75	26.4	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.0	26.4	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.22	21.2	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.67	2.12	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.22	21.2	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.90	2.12	1	EPA 1633 Draft 3 Certifications:	07/21/2023 12:15	07/25/2023 20:21	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		130 %	25-150								
Surrogate: M5PFHxA		145 %	25-150								
Surrogate: M4PFHpA		120 %	25-150								
Surrogate: M3PFHxS		135 %	25-150								



Sample Information

Client Sample ID: EB01_071823

York Sample ID: 23G0963-14

York Project (SDG) No.
23G0963

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 18, 2023 8:50 am

Date Received
07/18/2023

PFAS, EPA 1633 Target List

Log-in Notes: CONT, PRES

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	112 %			25-150						
	Surrogate: M6PFDA	141 %			25-150						
	Surrogate: M7PFUdA	143 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	138 %			25-150						
	Surrogate: M2PFTeDA	92.1 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	60.7 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	137 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic a	143 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	128 %			10-150						
	Surrogate: d3-N-MeFOSAA	155 %			25-150						
	Surrogate: d5-N-EtFOSAA	183 %			25-150						
	Surrogate: M2-6:2 FTS	257 %			25-200						
	Surrogate: M2-8:2 FTS	171 %			25-200						
	Surrogate: M9PFNA	114 %			25-150						
	Surrogate: M2-4:2 FTS	192 %			25-150						
	Surrogate: d-N-MeFOSA	99.6 %			25-150						
	Surrogate: d-N-EtFOSA	82.9 %			25-150						
	Surrogate: M3HFPO-DA	121 %			25-150						
	Surrogate: d9-N-EtFOSE	81.4 %			25-150						
	Surrogate: d7-N-MeFOSE	80.1 %			25-150						



Analytical Batch Summary

Batch ID: BG30853 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/25/23
23G0963-04	SB01_7.5-9.5	07/25/23
23G0963-06	SB02_3-5	07/25/23
23G0963-09	SB03_3-5	07/25/23
23G0963-11	SB04_0-2	07/25/23
23G0963-12	SB04_6-8	07/25/23
BG30853-BLK1	Blank	07/25/23
BG30853-BS1	LCS	07/25/23
BG30853-BSD1	LCS Dup	07/25/23

Batch ID: BG30863 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-08	SB03_0-2	07/27/23
BG30863-BLK1	Blank	07/27/23
BG30863-BS1	LCS	07/27/23
BG30863-BSD1	LCS Dup	07/27/23

Batch ID: BG30970 **Preparation Method:** EPA 3535A **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/19/23
BG30970-BLK1	Blank	07/19/23
BG30970-BS1	LCS	07/19/23
BG30970-MS1	Matrix Spike	07/19/23
BG30970-MSD1	Matrix Spike Dup	07/19/23

Batch ID: BG31001 **Preparation Method:** Analysis Preparation **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/18/23
BG31001-BLK1	Blank	07/18/23
BG31001-BS1	LCS	07/18/23
BG31001-DUP1	Duplicate	07/18/23
BG31001-MS1	Matrix Spike	07/18/23
BG31001-MSD1	Matrix Spike Dup	07/18/23

Batch ID: BG31028 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** rg

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/19/23
23G0963-01	FB01_071823	07/19/23
BG31028-BLK1	Blank	07/19/23



BG31028-BLK2	Blank	07/19/23
BG31028-BS1	LCS	07/19/23
BG31028-BS2	LCS	07/19/23
BG31028-BSD2	LCS Dup	07/19/23

Batch ID: BG31055 **Preparation Method:** EPA 3510C **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/19/23
23G0963-01	FB01_071823	07/19/23
BG31055-BLK1	Blank	07/19/23
BG31055-BLK2	Blank	07/19/23
BG31055-BS1	LCS	07/19/23
BG31055-BS2	LCS	07/19/23
BG31055-BSD1	LCS Dup	07/19/23

Batch ID: BG31064 **Preparation Method:** EPA 1633 Prep **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-06	SB02_3-5	07/19/23
23G0963-09	SB03_3-5	07/19/23
23G0963-11	SB04_0-2	07/19/23
BG31064-BLK1	Blank	07/19/23
BG31064-BS1	LCS	07/19/23
BG31064-BS2	LCS	07/19/23
BG31064-DUP1	Duplicate	07/19/23

Batch ID: BG31075 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/19/23
BG31075-BLK1	Blank	07/19/23
BG31075-BS1	LCS	07/19/23
BG31075-DUP1	Duplicate	07/19/23
BG31075-MS1	Matrix Spike	07/19/23
BG31075-MSD1	Matrix Spike Dup	07/19/23

Batch ID: BG31097 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/20/23
23G0963-06	SB02_3-5	07/20/23
23G0963-09	SB03_3-5	07/20/23
23G0963-11	SB04_0-2	07/20/23
BG31097-BLK1	Blank	07/20/23
BG31097-BS1	LCS	07/20/23
BG31097-MS1	Matrix Spike	07/20/23
BG31097-MSD1	Matrix Spike Dup	07/20/23



Batch ID: BG31174

Preparation Method: EPA 3550C

Prepared By: kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-11	SB04_0-2	07/21/23
23G0963-11	SB04_0-2	07/21/23
BG31174-BLK1	Blank	07/21/23
BG31174-BLK1	Blank	07/21/23
BG31174-BLK2	Blank	07/21/23
BG31174-BS1	LCS	07/21/23
BG31174-BS2	LCS	07/21/23
BG31174-MS1	Matrix Spike	07/21/23
BG31174-MS2	Matrix Spike	07/21/23
BG31174-MSD1	Matrix Spike Dup	07/21/23
BG31174-MSD2	Matrix Spike Dup	07/21/23

Batch ID: BG31178

Preparation Method: EPA 3550C

Prepared By: AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/22/23
23G0963-06	SB02_3-5	07/22/23
23G0963-09	SB03_3-5	07/22/23
23G0963-11	SB04_0-2	07/22/23
BG31178-BLK1	Blank	07/22/23
BG31178-BS1	LCS	07/22/23
BG31178-MS1	Matrix Spike	07/22/23
BG31178-MSD1	Matrix Spike Dup	07/22/23

Batch ID: BG31196

Preparation Method: Analysis Preparation Soil

Prepared By: JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/21/23
23G0963-06	SB02_3-5	07/21/23
23G0963-09	SB03_3-5	07/21/23
23G0963-11	SB04_0-2	07/21/23
BG31196-BLK1	Blank	07/21/23
BG31196-DUP1	Duplicate	07/21/23
BG31196-MS1	Matrix Spike	07/21/23
BG31196-MSD1	Matrix Spike Dup	07/21/23
BG31196-SRM1	Reference	07/21/23

Batch ID: BG31210

Preparation Method: EPA 1633 Prep

Prepared By: AM

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/21/23
23G0963-14	EB01_071823	07/21/23
BG31210-BLK1	Blank	07/21/23
BG31210-BS1	LCS	07/21/23
BG31210-BS2	LCS	07/21/23



BG31210-DUP1 Duplicate 07/21/23

Batch ID: BG31211 **Preparation Method:** % Solids Prep **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/21/23
23G0963-06	SB02_3-5	07/21/23
23G0963-09	SB03_3-5	07/21/23
23G0963-11	SB04_0-2	07/21/23
BG31211-DUP1	Duplicate	07/21/23

Batch ID: BG31254 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/23/23
23G0963-03	SB01_2-4	07/23/23
23G0963-06	SB02_3-5	07/23/23
23G0963-06	SB02_3-5	07/23/23
BG31254-BLK1	Blank	07/23/23
BG31254-BLK2	Blank	07/23/23
BG31254-BS1	LCS	07/23/23
BG31254-BS2	LCS	07/23/23
BG31254-MS1	Matrix Spike	07/23/23
BG31254-MS2	Matrix Spike	07/23/23
BG31254-MSD1	Matrix Spike Dup	07/23/23
BG31254-MSD2	Matrix Spike Dup	07/23/23

Batch ID: BG31265 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-11	SB04_0-2	07/24/23
BG31265-BLK1	Blank	07/24/23
BG31265-BS1	LCS	07/24/23
BG31265-MS1	Matrix Spike	07/24/23
BG31265-MSD1	Matrix Spike Dup	07/24/23

Batch ID: BG31266 **Preparation Method:** EPA 3550C **Prepared By:** me

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/24/23
23G0963-03RE1	SB01_2-4	07/24/23
23G0963-03RE2	SB01_2-4	07/24/23
23G0963-03RE3	SB01_2-4	07/24/23
23G0963-06	SB02_3-5	07/24/23
23G0963-06RE1	SB02_3-5	07/24/23
23G0963-09	SB03_3-5	07/24/23
BG31266-BLK1	Blank	07/24/23
BG31266-BS1	LCS	07/24/23
BG31266-MS1	Matrix Spike	07/24/23



BG31266-MSD1

Matrix Spike Dup

07/24/23

Batch ID: BG31280**Preparation Method:** EPA 3015A**Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/24/23
BG31280-BLK1	Blank	07/24/23
BG31280-BLK2	Blank	07/24/23
BG31280-BS1	LCS	07/24/23
BG31280-BS2	LCS	07/24/23
BG31280-DUP1	Duplicate	07/24/23
BG31280-MS1	Matrix Spike	07/24/23
BG31280-PS1	Post Spike	07/24/23

Batch ID: BG31288**Preparation Method:** EPA 8151A**Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/24/23
BG31288-BLK1	Blank	07/24/23
BG31288-BS1	LCS	07/24/23
BG31288-BSD1	LCS Dup	07/24/23
BG31288-MS1	Matrix Spike	07/24/23
BG31288-MSD1	Matrix Spike Dup	07/24/23

Batch ID: BG31316**Preparation Method:** EPA 3550C**Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-09	SB03_3-5	07/25/23
23G0963-09	SB03_3-5	07/25/23
BG31316-BLK1	Blank	07/25/23
BG31316-BLK2	Blank	07/25/23
BG31316-BS1	LCS	07/25/23
BG31316-BS2	LCS	07/25/23
BG31316-MS1	Matrix Spike	07/25/23
BG31316-MS2	Matrix Spike	07/25/23
BG31316-MSD1	Matrix Spike Dup	07/25/23
BG31316-MSD2	Matrix Spike Dup	07/25/23

Batch ID: BG31363**Preparation Method:** EPA SW846-7470A**Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/25/23
BG31363-BLK1	Blank	07/25/23
BG31363-BS1	LCS	07/25/23
BG31363-DUP1	Duplicate	07/25/23
BG31363-MS1	Matrix Spike	07/25/23
BG31363-MSD1	Matrix Spike Dup	07/25/23



Batch ID: BG31371

Preparation Method: EPA 3015A

Prepared By: AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/25/23
BG31371-BLK1	Blank	07/25/23
BG31371-BS1	LCS	07/25/23
BG31371-DUP1	Duplicate	07/25/23
BG31371-MS1	Matrix Spike	07/25/23

Batch ID: BG31374

Preparation Method: EPA SW846-3060

Prepared By: JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/25/23
23G0963-06	SB02_3-5	07/25/23
23G0963-09	SB03_3-5	07/25/23
23G0963-11	SB04_0-2	07/25/23
BG31374-BLK1	Blank	07/25/23
BG31374-DUP1	Duplicate	07/25/23
BG31374-MS1	Matrix Spike	07/25/23
BG31374-MSD1	Matrix Spike Dup	07/25/23
BG31374-SRM1	Reference	07/25/23

Batch ID: BG31392

Preparation Method: EPA 7473 soil

Prepared By: AJL

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/25/23
23G0963-06	SB02_3-5	07/25/23
23G0963-09	SB03_3-5	07/25/23
23G0963-11	SB04_0-2	07/25/23
BG31392-BLK1	Blank	07/25/23
BG31392-DUP1	Duplicate	07/25/23
BG31392-MS1	Matrix Spike	07/25/23
BG31392-SRM1	Reference	07/25/23

Batch ID: BG31400

Preparation Method: EPA 1633 Prep

Prepared By: AM

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/25/23
BG31400-BLK1	Blank	07/25/23
BG31400-BS1	LCS	07/25/23
BG31400-BS2	LCS	07/25/23
BG31400-DUP1	Duplicate	07/25/23

Batch ID: BG31408

Preparation Method: EPA 3050B

Prepared By: KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/25/23
23G0963-06	SB02_3-5	07/25/23
23G0963-09	SB03_3-5	07/25/23



23G0963-11	SB04_0-2	07/25/23
BG31408-BLK1	Blank	07/25/23
BG31408-DUP1	Duplicate	07/25/23
BG31408-MS1	Matrix Spike	07/25/23
BG31408-PS1	Post Spike	07/25/23
BG31408-SRM1	Reference	07/25/23

Batch ID: BG31446 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-03	SB01_2-4	07/26/23
23G0963-06	SB02_3-5	07/26/23
23G0963-09	SB03_3-5	07/26/23
23G0963-11	SB04_0-2	07/26/23

Batch ID: BG31467 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-01	FB01_071823	07/26/23

Batch ID: BG31794 **Preparation Method:** EPA 3550C **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/01/23
23G0963-04	SB01_7.5-9.5	08/01/23
23G0963-08	SB03_0-2	08/01/23
23G0963-08	SB03_0-2	08/01/23
23G0963-12	SB04_6-8	08/01/23
23G0963-12	SB04_6-8	08/01/23
BG31794-BLK1	Blank	08/01/23
BG31794-BLK2	Blank	08/01/23
BG31794-BS1	LCS	08/01/23
BG31794-BS2	LCS	08/01/23
BG31794-MS1	Matrix Spike	08/01/23
BG31794-MS2	Matrix Spike	08/01/23
BG31794-MSD1	Matrix Spike Dup	08/01/23
BG31794-MSD2	Matrix Spike Dup	08/01/23

Batch ID: BH30066 **Preparation Method:** EPA 3550C **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/01/23
23G0963-08	SB03_0-2	08/01/23
23G0963-08RE1	SB03_0-2	08/01/23
23G0963-12	SB04_6-8	08/01/23
BH30066-BLK1	Blank	08/01/23
BH30066-BS1	LCS	08/01/23
BH30066-MS1	Matrix Spike	08/01/23
BH30066-MSD1	Matrix Spike Dup	08/01/23



Batch ID: BH30069

Preparation Method: EPA 3550C/8151A

Prepared By: SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/01/23
23G0963-08	SB03_0-2	08/01/23
23G0963-12	SB04_6-8	08/01/23
BH30069-BLK1	Blank	08/01/23
BH30069-BS1	LCS	08/01/23
BH30069-MRL1	MRL Check	08/01/23
BH30069-MRL2	MRL Check	08/01/23
BH30069-MS1	Matrix Spike	08/01/23
BH30069-MSD1	Matrix Spike Dup	08/01/23

Batch ID: BH30073

Preparation Method: EPA 3550C

Prepared By: SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/01/23
23G0963-08	SB03_0-2	08/01/23
23G0963-12	SB04_6-8	08/01/23
BH30073-BLK1	Blank	08/01/23
BH30073-BS1	LCS	08/01/23
BH30073-MS1	Matrix Spike	08/01/23
BH30073-MSD1	Matrix Spike Dup	08/01/23

Batch ID: BH30076

Preparation Method: % Solids Prep

Prepared By: CAM2

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/01/23
23G0963-08	SB03_0-2	08/01/23
23G0963-12	SB04_6-8	08/01/23
BH30076-DUP1	Duplicate	08/01/23

Batch ID: BH30145

Preparation Method: EPA 1633 Prep

Prepared By: AM

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/03/23
23G0963-08	SB03_0-2	08/03/23
23G0963-12	SB04_6-8	08/03/23
BH30145-BLK1	Blank	08/03/23
BH30145-BS1	LCS	08/03/23
BH30145-BS2	LCS	08/03/23
BH30145-DUP1	Duplicate	08/03/23

Batch ID: BH30182

Preparation Method: Analysis Preparation Soil

Prepared By: JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/03/23



23G0963-08	SB03_0-2	08/03/23
23G0963-12	SB04_6-8	08/03/23
BH30182-BLK1	Blank	08/03/23
BH30182-DUP1	Duplicate	08/03/23
BH30182-MS1	Matrix Spike	08/03/23
BH30182-MSD1	Matrix Spike Dup	08/03/23
BH30182-SRM1	Reference	08/03/23

Batch ID: BH30314 **Preparation Method:** EPA SW846-3060 **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/04/23
23G0963-08	SB03_0-2	08/04/23
23G0963-12	SB04_6-8	08/04/23
BH30314-BLK1	Blank	08/04/23
BH30314-DUP1	Duplicate	08/04/23
BH30314-MS1	Matrix Spike	08/04/23
BH30314-MSD1	Matrix Spike Dup	08/04/23
BH30314-SRM1	Reference	08/04/23

Batch ID: BH30315 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

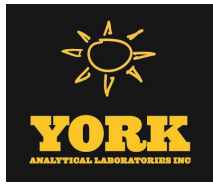
YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/04/23
23G0963-08	SB03_0-2	08/04/23
23G0963-12	SB04_6-8	08/04/23
BH30315-BLK1	Blank	08/04/23
BH30315-DUP1	Duplicate	08/04/23
BH30315-MS1	Matrix Spike	08/04/23
BH30315-PS1	Post Spike	08/04/23
BH30315-SRM1	Reference	08/04/23

Batch ID: BH30345 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/05/23
23G0963-08	SB03_0-2	08/05/23
23G0963-12	SB04_6-8	08/05/23
BH30345-BLK1	Blank	08/05/23
BH30345-DUP1	Duplicate	08/05/23
BH30345-MS1	Matrix Spike	08/05/23
BH30345-SRM1	Reference	08/05/23

Batch ID: BH30631 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
23G0963-04	SB01_7.5-9.5	08/09/23
23G0963-08	SB03_0-2	08/09/23
23G0963-12	SB04_6-8	08/09/23





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30853 - EPA 5035A

Blank (BG30853-BLK1)	Blank	Prepared & Analyzed: 07/25/2023									
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	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30853 - EPA 5035A

Blank (BG30853-BLK1)	Blank										Prepared & Analyzed: 07/25/2023
Hexachlorobutadiene	ND	0.0050	mg/kg wet								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methyleyclohexane	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	52.0		ug/L	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	52.8		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	57.3		"	50.0		115	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30853 - EPA 5035A											
LCS (BG30853-BS1)	LCS		Prepared & Analyzed: 07/25/2023								
1,1,1,2-Tetrachloroethane	45.7		ug/L	50.0		91.5	75-129				
1,1,1-Trichloroethane	42.3		"	50.0		84.6	71-137				
1,1,2,2-Tetrachloroethane	48.4		"	50.0		96.8	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40.0		"	50.0		79.9	58-146				
1,1,2-Trichloroethane	46.3		"	50.0		92.6	83-123				
1,1-Dichloroethane	39.8		"	50.0		79.6	75-130				
1,1-Dichloroethylene	38.4		"	50.0		76.9	64-137				
1,1-Dichloropropylene	40.4		"	50.0		80.7	77-127				
1,2,3-Trichlorobenzene	49.0		"	50.0		97.9	81-140				
1,2,3-Trichloropropane	48.7		"	50.0		97.4	81-126				
1,2,4-Trichlorobenzene	47.9		"	50.0		95.8	80-141				
1,2,4-Trimethylbenzene	47.0		"	50.0		94.0	84-125				
1,2-Dibromo-3-chloropropane	51.3		"	50.0		103	74-142				
1,2-Dibromoethane	47.5		"	50.0		95.0	86-123				
1,2-Dichlorobenzene	46.3		"	50.0		92.6	85-122				
1,2-Dichloroethane	42.2		"	50.0		84.5	71-133				
1,2-Dichloropropane	45.0		"	50.0		90.0	81-122				
1,3,5-Trimethylbenzene	47.4		"	50.0		94.7	82-126				
1,3-Dichlorobenzene	45.6		"	50.0		91.2	84-124				
1,3-Dichloropropane	44.8		"	50.0		89.6	83-123				
1,4-Dichlorobenzene	45.9		"	50.0		91.8	84-124				
1,4-Dioxane	963		"	1050		91.7	10-228				
2,2-Dichloropropane	39.2		"	50.0		78.5	67-136				
2-Butanone	44.4		"	50.0		88.9	58-147				
2-Chlorotoluene	44.6		"	50.0		89.2	78-127				
2-Hexanone	48.0		"	50.0		96.1	70-139				
4-Chlorotoluene	45.7		"	50.0		91.4	79-125				
4-Methyl-2-pentanone	37.8		"	50.0		75.6	72-132				
Acetone	36.3		"	50.0		72.6	36-155				
Acrolein	35.6		"	50.0		71.1	10-238				
Acrylonitrile	42.6		"	50.0		85.3	66-141				
Benzene	42.4		"	50.0		84.7	77-127				
Bromobenzene	44.8		"	50.0		89.6	77-129				
Bromochloromethane	41.6		"	50.0		83.1	74-129				
Bromodichloromethane	43.8		"	50.0		87.6	81-124				
Bromoform	47.6		"	50.0		95.2	80-136				
Bromomethane	37.9		"	50.0		75.7	32-177				
Carbon disulfide	39.3		"	50.0		78.7	10-136				
Carbon tetrachloride	41.3		"	50.0		82.5	66-143				
Chlorobenzene	45.3		"	50.0		90.7	86-120				
Chloroethane	38.8		"	50.0		77.6	51-142				
Chloroform	41.1		"	50.0		82.2	76-131				
Chloromethane	32.4		"	50.0		64.9	49-132				
cis-1,2-Dichloroethylene	41.5		"	50.0		83.1	74-132				
cis-1,3-Dichloropropylene	43.9		"	50.0		87.9	81-129				
Cyclohexane	41.7		"	50.0		83.4	70-130				
Dibromochloromethane	46.5		"	50.0		93.0	10-200				
Dibromomethane	44.7		"	50.0		89.5	83-124				
Dichlorodifluoromethane	26.4		"	50.0		52.9	28-158				
Ethyl Benzene	45.6		"	50.0		91.3	84-125				
Hexachlorobutadiene	45.2		"	50.0		90.4	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30853 - EPA 5035A

LCS (BG30853-BS1)	LCS	Prepared & Analyzed: 07/25/2023									
Isopropylbenzene	45.0	ug/L	50.0	90.1	81-127						
Methyl acetate	39.7	"	50.0	79.4	41-143						
Methyl tert-butyl ether (MTBE)	45.0	"	50.0	89.9	74-131						
Methylcyclohexane	42.1	"	50.0	84.3	70-130						
Methylene chloride	39.9	"	50.0	79.7	57-141						
n-Butylbenzene	44.8	"	50.0	89.6	80-130						
n-Propylbenzene	44.1	"	50.0	88.2	74-136						
o-Xylene	44.7	"	50.0	89.3	83-123						
p- & m- Xylenes	89.2	"	100	89.2	82-128						
p-Isopropyltoluene	46.5	"	50.0	92.9	85-125						
sec-Butylbenzene	44.4	"	50.0	88.9	83-125						
Styrene	45.2	"	50.0	90.4	86-126						
tert-Butyl alcohol (TBA)	260	"	250	104	70-130						
tert-Butylbenzene	38.9	"	50.0	77.8	80-127	Low Bias					
Tetrachloroethylene	36.3	"	50.0	72.6	80-129	Low Bias					
Toluene	44.8	"	50.0	89.6	85-121						
trans-1,2-Dichloroethylene	41.4	"	50.0	82.8	72-132						
trans-1,3-Dichloropropylene	46.5	"	50.0	93.0	78-132						
Trichloroethylene	44.2	"	50.0	88.3	84-123						
Trichlorofluoromethane	37.7	"	50.0	75.4	62-140						
Vinyl acetate	43.8	"	50.0	87.6	67-136						
Vinyl Chloride	35.5	"	50.0	70.9	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	50.3	"	50.0	101	77-125						
Surrogate: SURR: Toluene-d8	51.8	"	50.0	104	85-120						
Surrogate: SURR: p-Bromofluorobenzene	49.7	"	50.0	99.4	76-130						

LCS Dup (BG30853-BSD1)	LCS Dup	Prepared & Analyzed: 07/25/2023									
1,1,1,2-Tetrachloroethane	44.4	ug/L	50.0	88.9	75-129			2.88	30		
1,1,1-Trichloroethane	40.2	"	50.0	80.4	71-137			5.02	30		
1,1,2,2-Tetrachloroethane	47.3	"	50.0	94.6	79-129			2.26	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.2	"	50.0	76.5	58-146			4.40	30		
1,1,2-Trichloroethane	45.0	"	50.0	90.1	83-123			2.74	30		
1,1-Dichloroethane	39.3	"	50.0	78.5	75-130			1.32	30		
1,1-Dichloroethylene	38.4	"	50.0	76.7	64-137			0.182	30		
1,1-Dichloropropylene	38.4	"	50.0	76.7	77-127	Low Bias		5.08	30		
1,2,3-Trichlorobenzene	45.3	"	50.0	90.6	81-140			7.79	30		
1,2,3-Trichloropropane	48.6	"	50.0	97.2	81-126			0.206	30		
1,2,4-Trichlorobenzene	43.6	"	50.0	87.3	80-141			9.35	30		
1,2,4-Trimethylbenzene	45.1	"	50.0	90.3	84-125			4.04	30		
1,2-Dibromo-3-chloropropane	50.3	"	50.0	101	74-142			2.01	30		
1,2-Dibromoethane	46.5	"	50.0	93.0	86-123			2.19	30		
1,2-Dichlorobenzene	44.2	"	50.0	88.4	85-122			4.62	30		
1,2-Dichloroethane	41.0	"	50.0	82.0	71-133			3.05	30		
1,2-Dichloropropane	44.0	"	50.0	87.9	81-122			2.32	30		
1,3,5-Trimethylbenzene	45.0	"	50.0	90.1	82-126			5.00	30		
1,3-Dichlorobenzene	43.6	"	50.0	87.1	84-124			4.53	30		
1,3-Dichloropropane	44.1	"	50.0	88.3	83-123			1.46	30		
1,4-Dichlorobenzene	43.7	"	50.0	87.4	84-124			4.93	30		
1,4-Dioxane	897	"	1050	85.5	10-228			7.03	30		
2,2-Dichloropropane	37.7	"	50.0	75.4	67-136			4.06	30		
2-Butanone	48.7	"	50.0	97.5	58-147			9.21	30		



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30853 - EPA 5035A											
LCS Dup (BG30853-BSD1)	LCS Dup		Prepared & Analyzed: 07/25/2023								
2-Chlorotoluene	43.1		ug/L	50.0		86.1	78-127		3.51	30	
2-Hexanone	47.6		"	50.0		95.1	70-139		0.983	30	
4-Chlorotoluene	43.1		"	50.0		86.2	79-125		5.92	30	
4-Methyl-2-pentanone	37.6		"	50.0		75.2	72-132		0.504	30	
Acetone	34.4		"	50.0		68.8	36-155		5.29	30	
Acrolein	35.4		"	50.0		70.9	10-238		0.310	30	
Acrylonitrile	43.2		"	50.0		86.4	66-141		1.35	30	
Benzene	40.9		"	50.0		81.8	77-127		3.51	30	
Bromobenzene	43.6		"	50.0		87.3	77-129		2.58	30	
Bromochloromethane	39.6		"	50.0		79.2	74-129		4.80	30	
Bromodichloromethane	43.0		"	50.0		86.1	81-124		1.73	30	
Bromoform	46.1		"	50.0		92.3	80-136		3.14	30	
Bromomethane	37.4		"	50.0		74.9	32-177		1.12	30	
Carbon disulfide	37.8		"	50.0		75.6	10-136		4.02	30	
Carbon tetrachloride	39.0		"	50.0		78.0	66-143		5.60	30	
Chlorobenzene	43.9		"	50.0		87.9	86-120		3.14	30	
Chloroethane	36.3		"	50.0		72.6	51-142		6.63	30	
Chloroform	39.1		"	50.0		78.2	76-131		4.89	30	
Chloromethane	31.4		"	50.0		62.7	49-132		3.39	30	
cis-1,2-Dichloroethylene	39.6		"	50.0		79.1	74-132		4.88	30	
cis-1,3-Dichloropropylene	43.2		"	50.0		86.4	81-129		1.65	30	
Cyclohexane	40.0		"	50.0		80.1	70-130		4.01	30	
Dibromochloromethane	45.2		"	50.0		90.5	10-200		2.75	30	
Dibromomethane	43.3		"	50.0		86.6	83-124		3.23	30	
Dichlorodifluoromethane	25.4		"	50.0		50.7	28-158		4.21	30	
Ethyl Benzene	44.2		"	50.0		88.4	84-125		3.18	30	
Hexachlorobutadiene	42.8		"	50.0		85.6	83-133		5.52	30	
Isopropylbenzene	43.7		"	50.0		87.3	81-127		3.11	30	
Methyl acetate	41.8		"	50.0		83.5	41-143		5.11	30	
Methyl tert-butyl ether (MTBE)	42.5		"	50.0		84.9	74-131		5.67	30	
Methylcyclohexane	41.4		"	50.0		82.7	70-130		1.89	30	
Methylene chloride	37.9		"	50.0		75.8	57-141		5.01	30	
n-Butylbenzene	42.4		"	50.0		84.8	80-130		5.53	30	
n-Propylbenzene	42.2		"	50.0		84.5	74-136		4.33	30	
o-Xylene	43.5		"	50.0		87.1	83-123		2.56	30	
p- & m- Xylenes	86.0		"	100		86.0	82-128		3.61	30	
p-Isopropyltoluene	44.2		"	50.0		88.5	85-125		4.89	30	
sec-Butylbenzene	42.5		"	50.0		85.0	83-125		4.53	30	
Styrene	43.5		"	50.0		87.1	86-126		3.76	30	
tert-Butyl alcohol (TBA)	251		"	250		101	70-130		3.30	30	
tert-Butylbenzene	37.9		"	50.0		75.8	80-127	Low Bias	2.60	30	
Tetrachloroethylene	35.4		"	50.0		70.8	80-129	Low Bias	2.43	30	
Toluene	43.7		"	50.0		87.4	85-121		2.51	30	
trans-1,2-Dichloroethylene	39.0		"	50.0		78.1	72-132		5.84	30	
trans-1,3-Dichloropropylene	45.0		"	50.0		89.9	78-132		3.32	30	
Trichloroethylene	42.7		"	50.0		85.4	84-123		3.38	30	
Trichlorofluoromethane	35.7		"	50.0		71.5	62-140		5.31	30	
Vinyl acetate	41.5		"	50.0		83.0	67-136		5.40	30	
Vinyl Chloride	34.2		"	50.0		68.3	52-130		3.76	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.6		"	50.0		99.2	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30853 - EPA 5035A

LCS Dup (BG30853-BSD1) LCS Dup

Prepared & Analyzed: 07/25/2023

Surrogate: SURR: p-Bromofluorobenzene 50.6 ug/L 50.0 101 76-130

Batch BG30863 - EPA 5035A

Blank (BG30863-BLK1) Blank

Prepared & Analyzed: 07/27/2023

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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30863 - EPA 5035A

Blank (BG30863-BLK1) Blank		Prepared & Analyzed: 07/27/2023									
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	51.2		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.4		"	50.0		94.9	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30863 - EPA 5035A											
LCS (BG30863-BS1)		LCS		Prepared & Analyzed: 07/27/2023							
1,1,1,2-Tetrachloroethane	49.7		ug/L	50.0		99.4	75-129				
1,1,1-Trichloroethane	45.6		"	50.0		91.3	71-137				
1,1,2,2-Tetrachloroethane	49.1		"	50.0		98.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	35.0		"	50.0		70.0	58-146				
1,1,2-Trichloroethane	47.1		"	50.0		94.2	83-123				
1,1-Dichloroethane	42.2		"	50.0		84.3	75-130				
1,1-Dichloroethylene	34.5		"	50.0		69.0	64-137				
1,1-Dichloropropylene	42.4		"	50.0		84.8	77-127				
1,2,3-Trichlorobenzene	58.8		"	50.0		118	81-140				
1,2,3-Trichloropropane	50.7		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	60.1		"	50.0		120	80-141				
1,2,4-Trimethylbenzene	48.5		"	50.0		96.9	84-125				
1,2-Dibromo-3-chloropropane	54.1		"	50.0		108	74-142				
1,2-Dibromoethane	49.3		"	50.0		98.6	86-123				
1,2-Dichlorobenzene	50.4		"	50.0		101	85-122				
1,2-Dichloroethane	44.3		"	50.0		88.5	71-133				
1,2-Dichloropropane	46.8		"	50.0		93.6	81-122				
1,3,5-Trimethylbenzene	49.2		"	50.0		98.3	82-126				
1,3-Dichlorobenzene	50.1		"	50.0		100	84-124				
1,3-Dichloropropane	45.5		"	50.0		90.9	83-123				
1,4-Dichlorobenzene	50.7		"	50.0		101	84-124				
1,4-Dioxane	941		"	1050		89.7	10-228				
2,2-Dichloropropane	51.3		"	50.0		103	67-136				
2-Butanone	58.4		"	50.0		117	58-147				
2-Chlorotoluene	46.5		"	50.0		93.0	78-127				
2-Hexanone	56.0		"	50.0		112	70-139				
4-Chlorotoluene	51.1		"	50.0		102	79-125				
4-Methyl-2-pentanone	51.8		"	50.0		104	72-132				
Acetone	35.9		"	50.0		71.9	36-155				
Acrolein	50.6		"	50.0		101	10-238				
Acrylonitrile	47.2		"	50.0		94.4	66-141				
Benzene	42.7		"	50.0		85.5	77-127				
Bromobenzene	47.4		"	50.0		94.8	77-129				
Bromochloromethane	43.5		"	50.0		87.0	74-129				
Bromodichloromethane	46.6		"	50.0		93.2	81-124				
Bromoform	60.2		"	50.0		120	80-136				
Bromomethane	24.9		"	50.0		49.8	32-177				
Carbon disulfide	32.2		"	50.0		64.4	10-136				
Carbon tetrachloride	47.8		"	50.0		95.5	66-143				
Chlorobenzene	46.6		"	50.0		93.3	86-120				
Chloroethane	29.5		"	50.0		59.1	51-142				
Chloroform	42.6		"	50.0		85.2	76-131				
Chloromethane	27.6		"	50.0		55.1	49-132				
cis-1,2-Dichloroethylene	45.0		"	50.0		90.0	74-132				
cis-1,3-Dichloropropylene	48.9		"	50.0		97.8	81-129				
Cyclohexane	42.6		"	50.0		85.3	70-130				
Dibromochloromethane	52.8		"	50.0		106	10-200				
Dibromomethane	44.5		"	50.0		89.1	83-124				
Dichlorodifluoromethane	22.8		"	50.0		45.7	28-158				
Ethyl Benzene	47.3		"	50.0		94.7	84-125				
Hexachlorobutadiene	61.2		"	50.0		122	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30863 - EPA 5035A

LCS (BG30863-BS1)	LCS	Prepared & Analyzed: 07/27/2023									
Isopropylbenzene	47.6	ug/L	50.0	95.3	81-127						
Methyl acetate	36.4	"	50.0	72.8	41-143						
Methyl tert-butyl ether (MTBE)	48.6	"	50.0	97.3	74-131						
Methylcyclohexane	44.2	"	50.0	88.3	70-130						
Methylene chloride	42.8	"	50.0	85.5	57-141						
n-Butylbenzene	46.4	"	50.0	92.7	80-130						
n-Propylbenzene	45.5	"	50.0	91.0	74-136						
o-Xylene	48.3	"	50.0	96.6	83-123						
p- & m- Xylenes	93.3	"	100	93.3	82-128						
p-Isopropyltoluene	49.1	"	50.0	98.1	85-125						
sec-Butylbenzene	46.5	"	50.0	93.0	83-125						
Styrene	48.4	"	50.0	96.8	86-126						
tert-Butyl alcohol (TBA)	197	"	250	78.8	70-130						
tert-Butylbenzene	47.4	"	50.0	94.9	80-127						
Tetrachloroethylene	39.7	"	50.0	79.4	80-129	Low Bias					
Toluene	46.5	"	50.0	93.0	85-121						
trans-1,2-Dichloroethylene	43.9	"	50.0	87.7	72-132						
trans-1,3-Dichloropropylene	52.5	"	50.0	105	78-132						
Trichloroethylene	46.2	"	50.0	92.4	84-123						
Trichlorofluoromethane	30.1	"	50.0	60.3	62-140	Low Bias					
Vinyl acetate	54.9	"	50.0	110	67-136						
Vinyl Chloride	28.9	"	50.0	57.8	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	51.3	"	50.0	103	77-125						
Surrogate: SURR: Toluene-d8	49.8	"	50.0	99.7	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.2	"	50.0	100	76-130						

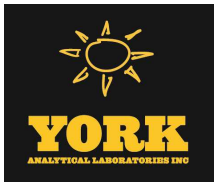
LCS Dup (BG30863-BSD1)	LCS Dup	Prepared & Analyzed: 07/27/2023									
1,1,1,2-Tetrachloroethane	49.5	ug/L	50.0	99.0	75-129	0.383	30				
1,1,1-Trichloroethane	46.1	"	50.0	92.1	71-137	0.938	30				
1,1,2,2-Tetrachloroethane	49.4	"	50.0	98.8	79-129	0.670	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	34.6	"	50.0	69.3	58-146	1.01	30				
1,1,2-Trichloroethane	47.5	"	50.0	94.9	83-123	0.783	30				
1,1-Dichloroethane	42.2	"	50.0	84.4	75-130	0.0948	30				
1,1-Dichloroethylene	35.4	"	50.0	70.8	64-137	2.60	30				
1,1-Dichloropropylene	42.0	"	50.0	84.0	77-127	0.972	30				
1,2,3-Trichlorobenzene	59.0	"	50.0	118	81-140	0.492	30				
1,2,3-Trichloropropane	50.3	"	50.0	101	81-126	0.793	30				
1,2,4-Trichlorobenzene	60.2	"	50.0	120	80-141	0.283	30				
1,2,4-Trimethylbenzene	49.6	"	50.0	99.1	84-125	2.20	30				
1,2-Dibromo-3-chloropropane	54.9	"	50.0	110	74-142	1.47	30				
1,2-Dibromoethane	49.4	"	50.0	98.8	86-123	0.263	30				
1,2-Dichlorobenzene	50.5	"	50.0	101	85-122	0.278	30				
1,2-Dichloroethane	43.8	"	50.0	87.7	71-133	0.976	30				
1,2-Dichloropropane	46.4	"	50.0	92.9	81-122	0.794	30				
1,3,5-Trimethylbenzene	49.6	"	50.0	99.1	82-126	0.851	30				
1,3-Dichlorobenzene	50.0	"	50.0	100	84-124	0.240	30				
1,3-Dichloropropane	45.7	"	50.0	91.4	83-123	0.527	30				
1,4-Dichlorobenzene	51.2	"	50.0	102	84-124	0.943	30				
1,4-Dioxane	1050	"	1050	99.8	10-228	10.7	30				
2,2-Dichloropropane	51.1	"	50.0	102	67-136	0.332	30				
2-Butanone	57.3	"	50.0	115	58-147	1.90	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30863 - EPA 5035A											
LCS Dup (BG30863-BSD1)	LCS Dup		Prepared & Analyzed: 07/27/2023								
2-Chlorotoluene	46.8		ug/L	50.0		93.6	78-127		0.600	30	
2-Hexanone	56.1		"	50.0		112	70-139		0.285	30	
4-Chlorotoluene	51.4		"	50.0		103	79-125		0.644	30	
4-Methyl-2-pentanone	51.5		"	50.0		103	72-132		0.678	30	
Acetone	28.3		"	50.0		56.6	36-155		23.8	30	
Acrolein	50.2		"	50.0		100	10-238		0.794	30	
Acrylonitrile	48.4		"	50.0		96.8	66-141		2.53	30	
Benzene	42.8		"	50.0		85.6	77-127		0.140	30	
Bromobenzene	47.5		"	50.0		94.9	77-129		0.0843	30	
Bromochloromethane	43.5		"	50.0		87.0	74-129		0.0460	30	
Bromodichloromethane	46.5		"	50.0		93.1	81-124		0.172	30	
Bromoform	61.2		"	50.0		122	80-136		1.61	30	
Bromomethane	25.2		"	50.0		50.4	32-177		1.20	30	
Carbon disulfide	35.3		"	50.0		70.6	10-136		9.22	30	
Carbon tetrachloride	47.9		"	50.0		95.8	66-143		0.272	30	
Chlorobenzene	46.9		"	50.0		93.8	86-120		0.534	30	
Chloroethane	29.1		"	50.0		58.2	51-142		1.47	30	
Chloroform	43.0		"	50.0		85.9	76-131		0.818	30	
Chloromethane	27.5		"	50.0		54.9	49-132		0.400	30	
cis-1,2-Dichloroethylene	44.6		"	50.0		89.1	74-132		1.05	30	
cis-1,3-Dichloropropylene	49.4		"	50.0		98.9	81-129		1.14	30	
Cyclohexane	42.2		"	50.0		84.4	70-130		1.06	30	
Dibromochloromethane	53.2		"	50.0		106	10-200		0.735	30	
Dibromomethane	45.1		"	50.0		90.1	83-124		1.16	30	
Dichlorodifluoromethane	22.4		"	50.0		44.8	28-158		1.81	30	
Ethyl Benzene	47.7		"	50.0		95.4	84-125		0.800	30	
Hexachlorobutadiene	62.4		"	50.0		125	83-133		1.93	30	
Isopropylbenzene	47.9		"	50.0		95.8	81-127		0.565	30	
Methyl acetate	35.1		"	50.0		70.3	41-143		3.55	30	
Methyl tert-butyl ether (MTBE)	48.2		"	50.0		96.5	74-131		0.784	30	
Methylcyclohexane	45.0		"	50.0		89.9	70-130		1.82	30	
Methylene chloride	42.3		"	50.0		84.5	57-141		1.15	30	
n-Butylbenzene	46.6		"	50.0		93.2	80-130		0.516	30	
n-Propylbenzene	45.9		"	50.0		91.8	74-136		0.897	30	
o-Xylene	49.3		"	50.0		98.7	83-123		2.13	30	
p- & m- Xylenes	94.2		"	100		94.2	82-128		1.00	30	
p-Isopropyltoluene	49.2		"	50.0		98.5	85-125		0.326	30	
sec-Butylbenzene	47.0		"	50.0		94.1	83-125		1.09	30	
Styrene	48.4		"	50.0		96.8	86-126		0.0413	30	
tert-Butyl alcohol (TBA)	203		"	250		81.2	70-130		3.08	30	
tert-Butylbenzene	48.2		"	50.0		96.5	80-127		1.69	30	
Tetrachloroethylene	40.3		"	50.0		80.6	80-129		1.55	30	
Toluene	47.7		"	50.0		95.3	85-121		2.46	30	
trans-1,2-Dichloroethylene	44.3		"	50.0		88.6	72-132		0.930	30	
trans-1,3-Dichloropropylene	53.0		"	50.0		106	78-132		0.796	30	
Trichloroethylene	47.0		"	50.0		94.0	84-123		1.76	30	
Trichlorofluoromethane	30.6		"	50.0		61.1	62-140	Low Bias	1.38	30	
Vinyl acetate	55.1		"	50.0		110	67-136		0.418	30	
Vinyl Chloride	29.2		"	50.0		58.4	52-130		1.10	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	50.4		"	50.0		101	77-125				
Surrogate: SURRE: Toluene-d8	50.6		"	50.0		101	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BG30863 - EPA 5035A

LCS Dup (BG30863-BSD1) **LCS Dup**

Prepared & Analyzed: 07/27/2023

Surrogate: <i>SURR: p-Bromofluorobenzene</i>	49.8		ug/L	50.0		99.7	76-130		



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31055 - EPA 3510C

Blank (BG31055-BLK1)	Blank	Prepared: 07/19/2023 Analyzed: 07/20/2023									
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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31055 - EPA 3510C

Blank (BG31055-BLK1)	Blank								Prepared: 07/19/2023	Analyzed: 07/20/2023
N-Nitrosodiphenylamine	ND	5.00	ug/L							
Phenol	ND	5.00	"							
Pyridine	ND	5.00	"							
Surrogate: SURR: 2-Fluorophenol	18.4		"	50.0		36.8	19.7-63.1			
Surrogate: SURR: Phenol-d6	8.81		"	50.0		17.6	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5	23.1		"	25.0		92.4	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		71.8	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol	53.6		"	50.0		107	39.3-151			
Surrogate: SURR: Terphenyl-d14	21.2		"	25.0		84.7	30.7-106			

Blank (BG31055-BLK2)	Blank								Prepared: 07/19/2023	Analyzed: 07/20/2023
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	ND	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31055 - EPA 3510C											
LCS (BG31055-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/20/2023									
1,1-Biphenyl	10.3	5.00	ug/L	25.0		41.2	33-95				
1,2,4,5-Tetrachlorobenzene	18.9	5.00	"	25.0		75.7	26-120				
1,2,4-Trichlorobenzene	16.2	5.00	"	25.0		64.8	20-118				
1,2-Dichlorobenzene	12.9	5.00	"	25.0		51.6	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	13.2	5.00	"	25.0		52.6	16-141				
1,3-Dichlorobenzene	12.8	5.00	"	25.0		51.1	23-117				
1,4-Dichlorobenzene	12.4	5.00	"	25.0		49.6	30-105				
2,3,4,6-Tetrachlorophenol	14.9	5.00	"	25.0		59.6	30-130				
2,4,5-Trichlorophenol	14.0	5.00	"	25.0		55.8	32-114				
2,4,6-Trichlorophenol	16.6	5.00	"	25.0		66.2	35-118				
2,4-Dichlorophenol	16.1	5.00	"	25.0		64.5	25-116				
2,4-Dimethylphenol	11.2	5.00	"	25.0		44.7	15-116				
2,4-Dinitrophenol	30.8	5.00	"	25.0		123	10-170				
2,4-Dinitrotoluene	20.0	5.00	"	25.0		80.0	41-128				
2,6-Dinitrotoluene	18.8	5.00	"	25.0		75.2	45-116				
2-Chloronaphthalene	12.8	5.00	"	25.0		51.3	33-112				
2-Chlorophenol	12.6	5.00	"	25.0		50.6	15-120				
2-Methylnaphthalene	15.1	5.00	"	25.0		60.5	24-118				
2-Methylphenol	10.5	5.00	"	25.0		42.2	10-110				
2-Nitroaniline	15.3	5.00	"	25.0		61.3	34-129				
2-Nitrophenol	17.1	5.00	"	25.0		68.4	28-118				
3- & 4-Methylphenols	8.27	5.00	"	25.0		33.1	10-107				
3,3-Dichlorobenzidine	12.3	5.00	"	25.0		49.4	15-187				
3-Nitroaniline	13.7	5.00	"	25.0		54.9	24-134				
4,6-Dinitro-2-methylphenol	31.9	5.00	"	25.0		128	10-153				
4-Bromophenyl phenyl ether	15.2	5.00	"	25.0		60.9	34-120				
4-Chloro-3-methylphenol	17.0	5.00	"	25.0		67.9	20-120				
4-Chloroaniline	11.4	5.00	"	25.0		45.6	10-147				
4-Chlorophenyl phenyl ether	15.1	5.00	"	25.0		60.3	27-121				
4-Nitroaniline	14.0	5.00	"	25.0		55.9	13-134				
4-Nitrophenol	26.3	5.00	"	25.0		105	10-131				
Acetophenone	12.0	5.00	"	25.0		48.0	25-110				
Aniline	5.52	5.00	"	25.0		22.1	10-117				
Benzaldehyde	10.8	5.00	"	25.0		43.2	29-117				
Benzoic acid	3.85	5.00	"	25.0		15.4	30-130	Low Bias			
Benzyl alcohol	7.96	5.00	"	25.0		31.8	10-117				
Benzyl butyl phthalate	11.9	5.00	"	25.0		47.8	29-133				
Bis(2-chloroethoxy)methane	16.1	5.00	"	25.0		64.3	10-154				
Bis(2-chloroethyl)ether	14.2	5.00	"	25.0		56.8	17-125				
Bis(2-chloroisopropyl)ether	13.9	5.00	"	25.0		55.8	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	13.9	5.00	"	25.0		55.6	42-126				
Dibenzofuran	14.5	5.00	"	25.0		58.0	36-113				
Diethyl phthalate	15.1	5.00	"	25.0		60.5	38-115				
Dimethyl phthalate	15.4	5.00	"	25.0		61.8	38-129				
Di-n-butyl phthalate	12.8	5.00	"	25.0		51.3	31-120				
Di-n-octyl phthalate	12.3	5.00	"	25.0		49.0	21-149				
Hexachlorocyclopentadiene	9.02	10.0	"	25.0		36.1	10-130				
Isophorone	16.7	5.00	"	25.0		66.7	25-127				
N-nitroso-di-n-propylamine	14.4	5.00	"	25.0		57.5	26-122				
N-Nitrosodiphenylamine	15.1	5.00	"	25.0		60.5	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31055 - EPA 3510C

LCS (BG31055-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/20/2023									
Phenol	5.12	5.00	ug/L	25.0		20.5	10-110				
Pyridine	ND	5.00	"	25.5			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	15.4		"	50.0		30.8	19.7-63.1				
Surrogate: SURR: Phenol-d6	8.57		"	50.0		17.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.4		"	25.0		73.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.0		"	25.0		60.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	47.3		"	50.0		94.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.1		"	25.0		68.6	30.7-106				

LCS (BG31055-BS2)	LCS	Prepared: 07/19/2023 Analyzed: 07/20/2023									
Acenaphthene	1.08	0.0500	ug/L	1.00		108	25-116				
Acenaphthylene	1.23	0.0500	"	1.00		123	26-116	High Bias			
Anthracene	1.23	0.0500	"	1.00		123	25-123				
Benzo(a)anthracene	1.28	0.0500	"	1.00		128	33-125	High Bias			
Benzo(a)pyrene	1.23	0.0500	"	1.00		123	32-132				
Benzo(b)fluoranthene	1.30	0.0500	"	1.00		130	22-137				
Benzo(g,h,i)perylene	1.51	0.0500	"	1.00		151	10-138	High Bias			
Benzo(k)fluoranthene	1.23	0.0500	"	1.00		123	20-137				
Bis(2-ethylhexyl)phthalate	1.55	0.500	"	1.00		155	10-189				
Chrysene	1.19	0.0500	"	1.00		119	32-124				
Dibenzo(a,h)anthracene	1.53	0.0500	"	1.00		153	16-133	High Bias			
Fluoranthene	1.16	0.0500	"	1.00		116	32-121				
Fluorene	1.18	0.0500	"	1.00		118	28-118				
Hexachlorobenzene	1.49	0.0200	"	1.00		149	23-124	High Bias			
Hexachlorobutadiene	1.13	0.500	"	1.00		113	15-123				
Hexachloroethane	5.15	0.500	"	1.00		515	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	1.60	0.0500	"	1.00		160	15-135	High Bias			
Naphthalene	1.10	0.0500	"	1.00		110	18-120				
Nitrobenzene	1.38	0.250	"	1.00		138	21-121	High Bias			
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	2.47	0.250	"	1.00		247	10-156	High Bias			
Phenanthrene	1.16	0.0500	"	1.00		116	24-127				
Pyrene	1.17	0.0500	"	1.00		117	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31055 - EPA 3510C											
LCS Dup (BG31055-BSD1) LCS Dup		Prepared: 07/19/2023 Analyzed: 07/20/2023									
1,1-Biphenyl	12.7	5.00	ug/L	25.0		51.0	33-95		21.3	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	26.5	5.00	"	25.0		106	26-120		33.2	20	Non-dir.
1,2,4-Trichlorobenzene	22.0	5.00	"	25.0		88.0	20-118		30.4	20	Non-dir.
1,2-Dichlorobenzene	17.7	5.00	"	25.0		70.7	29-111		31.2	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	17.3	5.00	"	25.0		69.3	16-141		27.4	20	Non-dir.
1,3-Dichlorobenzene	17.2	5.00	"	25.0		68.9	23-117		29.7	20	Non-dir.
1,4-Dichlorobenzene	16.7	5.00	"	25.0		66.8	30-105		29.7	20	Non-dir.
2,3,4,6-Tetrachlorophenol	19.2	5.00	"	25.0		76.7	30-130		25.1	20	Non-dir.
2,4,5-Trichlorophenol	19.2	5.00	"	25.0		76.6	32-114		31.4	20	Non-dir.
2,4,6-Trichlorophenol	22.2	5.00	"	25.0		88.8	35-118		29.2	20	Non-dir.
2,4-Dichlorophenol	21.8	5.00	"	25.0		87.2	25-116		29.9	20	Non-dir.
2,4-Dimethylphenol	14.4	5.00	"	25.0		57.7	15-116		25.4	20	Non-dir.
2,4-Dinitrophenol	42.5	5.00	"	25.0		170	10-170		32.2	20	Non-dir.
2,4-Dinitrotoluene	26.5	5.00	"	25.0		106	41-128		28.0	20	Non-dir.
2,6-Dinitrotoluene	24.8	5.00	"	25.0		99.2	45-116		27.4	20	Non-dir.
2-Chloronaphthalene	17.8	5.00	"	25.0		71.3	33-112		32.7	20	Non-dir.
2-Chlorophenol	16.5	5.00	"	25.0		66.0	15-120		26.5	20	Non-dir.
2-Methylnaphthalene	20.5	5.00	"	25.0		81.8	24-118		30.0	20	Non-dir.
2-Methylphenol	14.2	5.00	"	25.0		56.7	10-110		29.4	20	Non-dir.
2-Nitroaniline	21.1	5.00	"	25.0		84.4	34-129		31.8	20	Non-dir.
2-Nitrophenol	24.0	5.00	"	25.0		96.1	28-118		33.8	20	Non-dir.
3- & 4-Methylphenols	11.2	5.00	"	25.0		44.6	10-107		29.7	20	Non-dir.
3,3-Dichlorobenzidine	15.0	5.00	"	25.0		60.1	15-187		19.7	20	
3-Nitroaniline	17.1	5.00	"	25.0		68.5	24-134		22.0	20	Non-dir.
4,6-Dinitro-2-methylphenol	42.6	5.00	"	25.0		170	10-153	High Bias	28.5	20	Non-dir.
4-Bromophenyl phenyl ether	19.9	5.00	"	25.0		79.6	34-120		26.7	20	Non-dir.
4-Chloro-3-methylphenol	22.1	5.00	"	25.0		88.3	20-120		26.1	20	Non-dir.
4-Chloroaniline	13.8	5.00	"	25.0		55.1	10-147		18.7	20	
4-Chlorophenyl phenyl ether	20.0	5.00	"	25.0		80.1	27-121		28.2	20	Non-dir.
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias		20	
4-Nitrophenol	33.4	5.00	"	25.0		134	10-131	High Bias	23.8	20	Non-dir.
Acetophenone	13.8	5.00	"	25.0		55.4	25-110		14.4	20	
Aniline	7.13	5.00	"	25.0		28.5	10-117		25.5	20	Non-dir.
Benzaldehyde	12.8	5.00	"	25.0		51.2	29-117		16.9	20	
Benzoic acid	4.77	5.00	"	25.0		19.1	30-130	Low Bias	21.3	20	Non-dir.
Benzyl alcohol	10.9	5.00	"	25.0		43.5	10-117		30.9	20	Non-dir.
Benzyl butyl phthalate	15.7	5.00	"	25.0		62.6	29-133		27.0	20	Non-dir.
Bis(2-chloroethoxy)methane	21.4	5.00	"	25.0		85.5	10-154		28.3	20	Non-dir.
Bis(2-chloroethyl)ether	18.9	5.00	"	25.0		75.6	17-125		28.5	20	Non-dir.
Bis(2-chloroisopropyl)ether	18.9	5.00	"	25.0		75.5	10-139		30.1	20	Non-dir.
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	18.3	5.00	"	25.0		73.4	42-126		27.5	20	Non-dir.
Dibenzofuran	19.1	5.00	"	25.0		76.3	36-113		27.2	20	Non-dir.
Diethyl phthalate	19.5	5.00	"	25.0		78.2	38-115		25.4	20	Non-dir.
Dimethyl phthalate	20.1	5.00	"	25.0		80.4	38-129		26.2	20	Non-dir.
Di-n-butyl phthalate	17.4	5.00	"	25.0		69.6	31-120		30.3	20	Non-dir.
Di-n-octyl phthalate	16.7	5.00	"	25.0		66.7	21-149		30.5	20	Non-dir.
Hexachlorocyclopentadiene	13.4	10.0	"	25.0		53.5	10-130		38.9	20	Non-dir.
Isophorone	22.0	5.00	"	25.0		87.9	25-127		27.4	20	Non-dir.
N-nitroso-di-n-propylamine	18.9	5.00	"	25.0		75.6	26-122		27.2	20	Non-dir.
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.6	23-149		29.6	20	Non-dir.



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31055 - EPA 3510C

LCS Dup (BG31055-BSD1)	LCS Dup	Prepared: 07/19/2023 Analyzed: 07/20/2023									
Phenol	7.00	5.00	ug/L	25.0		28.0	10-110		31.0	20	Non-dir.
Pyridine	5.50	5.00	"	25.5		21.6	10-90		76.7	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	21.5		"	50.0		42.9	19.7-63.1				
Surrogate: SURR: Phenol-d6	11.6		"	50.0		23.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	25.2		"	25.0		101	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.5		"	25.0		81.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	62.2		"	50.0		124	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.3		"	25.0		85.3	30.7-106				

Batch BG31265 - EPA 3550C

Blank (BG31265-BLK1)	Blank	Prepared: 07/24/2023 Analyzed: 07/25/2023									
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31265 - EPA 3550C

Blank (BG31265-BLK1)	Blank	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Benzo(a)anthracene	ND	0.0417	mg/kg wet								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.15		"	1.67		69.2	20-108				
Surrogate: SURR: Phenol-d6	1.04		"	1.67		62.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.547		"	0.833		65.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.535		"	0.833		64.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.37		"	1.67		82.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.572		"	0.833		68.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31265 - EPA 3550C											
LCS (BG31265-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
1,1-Biphenyl	0.404	0.0417	mg/kg wet	0.833		48.5	18-111				
1,2,4,5-Tetrachlorobenzene	0.675	0.0833	"	0.833		81.0	21-131				
1,2,4-Trichlorobenzene	0.539	0.0417	"	0.833		64.7	10-140				
1,2-Dichlorobenzene	0.471	0.0417	"	0.833		56.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.539	0.0417	"	0.833		64.7	17-137				
1,3-Dichlorobenzene	0.464	0.0417	"	0.833		55.7	33-110				
1,4-Dichlorobenzene	0.464	0.0417	"	0.833		55.7	32-104				
2,3,4,6-Tetrachlorophenol	0.616	0.0833	"	0.833		73.9	30-130				
2,4,5-Trichlorophenol	0.597	0.0417	"	0.833		71.6	27-118				
2,4,6-Trichlorophenol	0.549	0.0417	"	0.833		65.9	31-120				
2,4-Dichlorophenol	0.561	0.0417	"	0.833		67.3	20-127				
2,4-Dimethylphenol	0.448	0.0417	"	0.833		53.8	14-132				
2,4-Dinitrophenol	0.705	0.0833	"	0.833		84.6	10-171				
2,4-Dinitrotoluene	0.608	0.0417	"	0.833		73.0	34-131				
2,6-Dinitrotoluene	0.584	0.0417	"	0.833		70.1	31-128				
2-Chloronaphthalene	0.504	0.0417	"	0.833		60.5	31-117				
2-Chlorophenol	0.507	0.0417	"	0.833		60.9	33-113				
2-Methylnaphthalene	0.531	0.0417	"	0.833		63.8	12-138				
2-Methylphenol	0.511	0.0417	"	0.833		61.3	10-136				
2-Nitroaniline	0.590	0.0833	"	0.833		70.8	27-132				
2-Nitrophenol	0.554	0.0417	"	0.833		66.5	17-129				
3- & 4-Methylphenols	0.450	0.0417	"	0.833		54.0	29-103				
3,3-Dichlorobenzidine	0.589	0.0417	"	0.833		70.6	22-149				
3-Nitroaniline	0.524	0.0833	"	0.833		62.9	20-133				
4,6-Dinitro-2-methylphenol	0.787	0.0833	"	0.833		94.4	10-143				
4-Bromophenyl phenyl ether	0.572	0.0417	"	0.833		68.6	29-120				
4-Chloro-3-methylphenol	0.597	0.0417	"	0.833		71.6	24-129				
4-Chloroaniline	0.423	0.0417	"	0.833		50.8	10-132				
4-Chlorophenyl phenyl ether	0.523	0.0417	"	0.833		62.7	27-124				
4-Nitroaniline	0.574	0.0833	"	0.833		68.9	16-128				
4-Nitrophenol	0.593	0.0833	"	0.833		71.1	10-141				
Acenaphthene	0.494	0.0417	"	0.833		59.3	30-121				
Acenaphthylene	0.500	0.0417	"	0.833		60.0	30-115				
Acetophenone	0.365	0.0417	"	0.833		43.8	20-112				
Aniline	0.363	0.167	"	0.833		43.5	10-119				
Anthracene	0.566	0.0417	"	0.833		67.9	34-118				
Atrazine	0.498	0.0417	"	0.833		59.8	26-112				
Benzaldehyde	0.370	0.0417	"	0.833		44.4	21-100				
Benzo(a)anthracene	0.594	0.0417	"	0.833		71.3	32-122				
Benzo(a)pyrene	0.633	0.0417	"	0.833		76.0	29-133				
Benzo(b)fluoranthene	0.608	0.0417	"	0.833		73.0	25-133				
Benzo(g,h,i)perylene	0.683	0.0417	"	0.833		82.0	10-143				
Benzo(k)fluoranthene	0.639	0.0417	"	0.833		76.7	25-128				
Benzoic acid	0.440	0.0417	"	0.833		52.8	10-140				
Benzyl alcohol	0.477	0.0417	"	0.833		57.2	30-115				
Benzyl butyl phthalate	0.533	0.0417	"	0.833		63.9	26-126				
Bis(2-chloroethoxy)methane	0.501	0.0417	"	0.833		60.1	19-132				
Bis(2-chloroethyl)ether	0.453	0.0417	"	0.833		54.3	19-125				
Bis(2-chloroisopropyl)ether	0.419	0.0417	"	0.833		50.2	20-135				
Bis(2-ethylhexyl)phthalate	0.564	0.0417	"	0.833		67.7	10-155				
Caprolactam	0.530	0.0833	"	0.833		63.6	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31265 - EPA 3550C

LCS (BG31265-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Carbazole	0.592	0.0417	mg/kg wet	0.833		71.0	35-123				
Chrysene	0.583	0.0417	"	0.833		70.0	32-123				
Dibenzo(a,h)anthracene	0.766	0.0417	"	0.833		91.9	10-136				
Dibenzofuran	0.525	0.0417	"	0.833		63.0	29-121				
Diethyl phthalate	0.556	0.0417	"	0.833		66.7	34-116				
Dimethyl phthalate	0.554	0.0417	"	0.833		66.5	35-124				
Di-n-butyl phthalate	0.577	0.0417	"	0.833		69.2	31-116				
Di-n-octyl phthalate	0.574	0.0417	"	0.833		68.9	26-136				
Fluoranthene	0.581	0.0417	"	0.833		69.7	33-122				
Fluorene	0.523	0.0417	"	0.833		62.8	29-123				
Hexachlorobenzene	0.567	0.0417	"	0.833		68.0	21-124				
Hexachlorobutadiene	0.522	0.0417	"	0.833		62.7	10-149				
Hexachlorocyclopentadiene	0.342	0.0417	"	0.833		41.0	10-129				
Hexachloroethane	0.451	0.0417	"	0.833		54.2	28-108				
Indeno(1,2,3-cd)pyrene	0.767	0.0417	"	0.833		92.0	10-135				
Isophorone	0.514	0.0417	"	0.833		61.7	20-132				
Naphthalene	0.498	0.0417	"	0.833		59.8	23-124				
Nitrobenzene	0.502	0.0417	"	0.833		60.3	13-132				
N-Nitrosodimethylamine	0.449	0.0417	"	0.833		53.9	11-129				
N-nitroso-di-n-propylamine	0.455	0.0417	"	0.833		54.6	24-119				
N-Nitrosodiphenylamine	0.675	0.0417	"	0.833		81.0	22-152				
Pentachlorophenol	0.629	0.0417	"	0.833		75.4	10-139				
Phenanthrene	0.560	0.0417	"	0.833		67.2	33-123				
Phenol	0.507	0.0417	"	0.833		60.9	23-115				
Pyrene	0.558	0.0417	"	0.833		67.0	24-130				
Pyridine	0.380	0.167	"	0.833		45.6	10-91				
Surrogate: SURR: 2-Fluorophenol	1.01		"	1.67		60.8	20-108				
Surrogate: SURR: Phenol-d6	0.961		"	1.67		57.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.496		"	0.833		59.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.497		"	0.833		59.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.42		"	1.67		85.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.570		"	0.833		68.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31265 - EPA 3550C

Matrix Spike (BG31265-MS1)	Matrix Spike	*Source sample: 23G0971-09 (Matrix Spike)						Prepared: 07/24/2023 Analyzed: 07/25/2023			
1,1-Biphenyl	0.476	0.0998	mg/kg dry	0.997	ND	47.7	10-130				
1,2,4,5-Tetrachlorobenzene	0.795	0.199	"	0.997	ND	79.7	10-133				
1,2,4-Trichlorobenzene	0.655	0.0998	"	0.997	ND	65.7	10-127				
1,2-Dichlorobenzene	0.584	0.0998	"	0.997	ND	58.6	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.619	0.0998	"	0.997	ND	62.1	10-144				
1,3-Dichlorobenzene	0.581	0.0998	"	0.997	ND	58.2	11-111				
1,4-Dichlorobenzene	0.592	0.0998	"	0.997	ND	59.4	10-106				
2,3,4,6-Tetrachlorophenol	0.693	0.199	"	0.997	ND	69.5	30-130				
2,4,5-Trichlorophenol	0.705	0.0998	"	0.997	ND	70.6	10-127				
2,4,6-Trichlorophenol	0.631	0.0998	"	0.997	ND	63.3	10-132				
2,4-Dichlorophenol	0.656	0.0998	"	0.997	ND	65.8	10-128				
2,4-Dimethylphenol	0.547	0.0998	"	0.997	ND	54.9	10-137				
2,4-Dinitrophenol	0.577	0.199	"	0.997	ND	57.8	10-171				
2,4-Dinitrotoluene	0.716	0.0998	"	0.997	ND	71.8	16-135				
2,6-Dinitrotoluene	0.691	0.0998	"	0.997	ND	69.3	18-131				
2-Chloronaphthalene	0.613	0.0998	"	0.997	ND	61.4	10-129				
2-Chlorophenol	0.610	0.0998	"	0.997	ND	61.2	15-116				
2-Methylnaphthalene	0.649	0.0998	"	0.997	ND	65.0	10-147				
2-Methylphenol	0.624	0.0998	"	0.997	ND	62.6	10-136				
2-Nitroaniline	0.681	0.199	"	0.997	ND	68.2	10-137				
2-Nitrophenol	0.673	0.0998	"	0.997	ND	67.4	10-129				
3- & 4-Methylphenols	0.540	0.0998	"	0.997	ND	54.2	10-123				
3,3-Dichlorobenzidine	0.650	0.0998	"	0.997	ND	65.2	10-155				
3-Nitroaniline	0.633	0.199	"	0.997	ND	63.4	12-133				
4,6-Dinitro-2-methylphenol	0.784	0.199	"	0.997	ND	78.6	10-155				
4-Bromophenyl phenyl ether	0.669	0.0998	"	0.997	ND	67.1	14-128				
4-Chloro-3-methylphenol	0.716	0.0998	"	0.997	ND	71.8	10-134				
4-Chloroaniline	0.556	0.0998	"	0.997	ND	55.8	10-145				
4-Chlorophenyl phenyl ether	0.617	0.0998	"	0.997	ND	61.8	14-130				
4-Nitroaniline	0.657	0.199	"	0.997	ND	65.9	10-147				
4-Nitrophenol	0.698	0.199	"	0.997	ND	70.0	10-137				
Acenaphthene	0.634	0.0998	"	0.997	ND	63.5	10-146				
Acenaphthylene	0.611	0.0998	"	0.997	ND	61.3	10-134				
Acetophenone	0.446	0.0998	"	0.997	ND	44.7	10-116				
Aniline	0.448	0.400	"	0.997	ND	45.0	10-123				
Anthracene	0.708	0.0998	"	0.997	0.0692	64.0	10-142				
Atrazine	0.544	0.0998	"	0.997	ND	54.6	19-115				
Benzaldehyde	0.471	0.0998	"	0.997	ND	47.2	10-125				
Benzo(a)anthracene	0.812	0.0998	"	0.997	0.210	60.4	10-158				
Benzo(a)pyrene	0.881	0.0998	"	0.997	0.219	66.4	10-180				
Benzo(b)fluoranthene	0.870	0.0998	"	0.997	0.251	62.1	10-200				
Benzo(g,h,i)perylene	0.845	0.0998	"	0.997	0.101	74.6	10-138				
Benzo(k)fluoranthene	0.801	0.0998	"	0.997	0.0883	71.5	10-197				
Benzoic acid	0.218	0.0998	"	0.997	ND	21.8	10-166				
Benzyl alcohol	0.596	0.0998	"	0.997	ND	59.8	12-124				
Benzyl butyl phthalate	0.582	0.0998	"	0.997	ND	58.4	10-154				
Bis(2-chloroethoxy)methane	0.590	0.0998	"	0.997	ND	59.1	10-132				
Bis(2-chloroethyl)ether	0.556	0.0998	"	0.997	ND	55.8	10-119				
Bis(2-chloroisopropyl)ether	0.527	0.0998	"	0.997	ND	52.8	10-139				
Bis(2-ethylhexyl)phthalate	0.588	0.0998	"	0.997	ND	59.0	10-167				
Caprolactam	0.649	0.199	"	0.997	ND	65.0	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31265 - EPA 3550C

Matrix Spike (BG31265-MS1)	Matrix Spike	*Source sample: 23G0971-09 (Matrix Spike)						Prepared: 07/24/2023 Analyzed: 07/25/2023			
Carbazole	0.697	0.0998	mg/kg dry	0.997	ND	69.8	10-167				
Chrysene	0.796	0.0998	"	0.997	0.178	62.0	10-156				
Dibenzo(a,h)anthracene	0.886	0.0998	"	0.997	ND	88.9	10-137				
Dibenzofuran	0.634	0.0998	"	0.997	ND	63.5	10-147				
Diethyl phthalate	0.627	0.0998	"	0.997	ND	62.9	20-120				
Dimethyl phthalate	0.642	0.0998	"	0.997	ND	64.3	18-131				
Di-n-butyl phthalate	0.635	0.0998	"	0.997	ND	63.7	10-137				
Di-n-octyl phthalate	0.601	0.0998	"	0.997	ND	60.2	10-180				
Fluoranthene	0.954	0.0998	"	0.997	0.398	55.7	10-160				
Fluorene	0.642	0.0998	"	0.997	ND	64.4	10-157				
Hexachlorobenzene	0.665	0.0998	"	0.997	ND	66.6	10-137				
Hexachlorobutadiene	0.646	0.0998	"	0.997	ND	64.7	10-132				
Hexachlorocyclopentadiene	0.354	0.0998	"	0.997	ND	35.5	10-106				
Hexachloroethane	0.563	0.0998	"	0.997	ND	56.5	10-110				
Indeno(1,2,3-cd)pyrene	0.969	0.0998	"	0.997	0.123	84.8	10-144				
Isophorone	0.618	0.0998	"	0.997	ND	62.0	10-132				
Naphthalene	0.635	0.0998	"	0.997	ND	63.7	10-141				
Nitrobenzene	0.636	0.0998	"	0.997	ND	63.8	10-131				
N-Nitrosodimethylamine	0.595	0.0998	"	0.997	ND	59.7	10-126				
N-nitroso-di-n-propylamine	0.533	0.0998	"	0.997	ND	53.4	10-125				
N-Nitrosodiphenylamine	0.771	0.0998	"	0.997	ND	77.3	10-177				
Pentachlorophenol	0.669	0.0998	"	0.997	ND	67.0	10-153				
Phenanthrene	0.821	0.0998	"	0.997	0.227	59.6	10-148				
Phenol	0.614	0.0998	"	0.997	ND	61.6	10-126				
Pyrene	0.845	0.0998	"	0.997	0.318	52.8	10-165				
Pyridine	0.476	0.400	"	0.997	ND	47.8	10-83				
Surrogate: SURR: 2-Fluorophenol	1.22		"	1.99		61.1	20-108				
Surrogate: SURR: Phenol-d6	1.13		"	1.99		56.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.614		"	0.997		61.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.575		"	0.997		57.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.55		"	1.99		77.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.604		"	0.997		60.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31265 - EPA 3550C											
Matrix Spike Dup (BG31265-1) Matrix Spike Dup											
Source sample: 23G0971-09 (Matrix Spike Dup)						Prepared: 07/24/2023 Analyzed: 07/25/2023					
1,1-Biphenyl	0.589	0.0998	mg/kg dry	0.997	ND	59.0	10-130		21.3	30	
1,2,4,5-Tetrachlorobenzene	0.978	0.199	"	0.997	ND	98.1	10-133		20.7	30	
1,2,4-Trichlorobenzene	0.779	0.0998	"	0.997	ND	78.1	10-127		17.3	30	
1,2-Dichlorobenzene	0.707	0.0998	"	0.997	ND	70.9	14-111		19.0	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.740	0.0998	"	0.997	ND	74.2	10-144		17.8	30	
1,3-Dichlorobenzene	0.687	0.0998	"	0.997	ND	68.9	11-111		16.7	30	
1,4-Dichlorobenzene	0.685	0.0998	"	0.997	ND	68.7	10-106		14.6	30	
2,3,4,6-Tetrachlorophenol	0.828	0.199	"	0.997	ND	83.0	30-130		17.7	30	
2,4,5-Trichlorophenol	0.864	0.0998	"	0.997	ND	86.6	10-127		20.3	30	
2,4,6-Trichlorophenol	0.765	0.0998	"	0.997	ND	76.7	10-132		19.2	30	
2,4-Dichlorophenol	0.800	0.0998	"	0.997	ND	80.2	10-128		19.8	30	
2,4-Dimethylphenol	0.668	0.0998	"	0.997	ND	67.0	10-137		19.8	30	
2,4-Dinitrophenol	0.610	0.199	"	0.997	ND	61.2	10-171		5.65	30	
2,4-Dinitrotoluene	0.848	0.0998	"	0.997	ND	85.0	16-135		16.9	30	
2,6-Dinitrotoluene	0.826	0.0998	"	0.997	ND	82.8	18-131		17.8	30	
2-Chloronaphthalene	0.729	0.0998	"	0.997	ND	73.1	10-129		17.4	30	
2-Chlorophenol	0.734	0.0998	"	0.997	ND	73.6	15-116		18.4	30	
2-Methylnaphthalene	0.784	0.0998	"	0.997	ND	78.6	10-147		18.8	30	
2-Methylphenol	0.751	0.0998	"	0.997	ND	75.3	10-136		18.5	30	
2-Nitroaniline	0.820	0.199	"	0.997	ND	82.2	10-137		18.6	30	
2-Nitrophenol	0.806	0.0998	"	0.997	ND	80.8	10-129		18.0	30	
3- & 4-Methylphenols	0.656	0.0998	"	0.997	ND	65.8	10-123		19.3	30	
3,3-Dichlorobenzidine	0.766	0.0998	"	0.997	ND	76.8	10-155		16.3	30	
3-Nitroaniline	0.758	0.199	"	0.997	ND	76.0	12-133		18.0	30	
4,6-Dinitro-2-methylphenol	0.974	0.199	"	0.997	ND	97.7	10-155		21.6	30	
4-Bromophenyl phenyl ether	0.777	0.0998	"	0.997	ND	77.9	14-128		14.9	30	
4-Chloro-3-methylphenol	0.828	0.0998	"	0.997	ND	83.0	10-134		14.6	30	
4-Chloroaniline	0.668	0.0998	"	0.997	ND	67.0	10-145		18.3	30	
4-Chlorophenyl phenyl ether	0.749	0.0998	"	0.997	ND	75.1	14-130		19.4	30	
4-Nitroaniline	0.761	0.199	"	0.997	ND	76.3	10-147		14.6	30	
4-Nitrophenol	0.802	0.199	"	0.997	ND	80.4	10-137		13.8	30	
Acenaphthene	0.751	0.0998	"	0.997	ND	75.3	10-146		16.9	30	
Acenaphthylene	0.733	0.0998	"	0.997	ND	73.5	10-134		18.2	30	
Acetophenone	0.544	0.0998	"	0.997	ND	54.6	10-116		19.8	30	
Aniline	0.543	0.400	"	0.997	ND	54.5	10-123		19.1	30	
Anthracene	0.837	0.0998	"	0.997	0.0692	77.0	10-142		16.7	30	
Atrazine	0.650	0.0998	"	0.997	ND	65.2	19-115		17.8	30	
Benzaldehyde	0.555	0.0998	"	0.997	ND	55.7	10-125		16.5	30	
Benzo(a)anthracene	0.964	0.0998	"	0.997	0.210	75.6	10-158		17.1	30	
Benzo(a)pyrene	1.03	0.0998	"	0.997	0.219	81.3	10-180		15.5	30	
Benzo(b)fluoranthene	1.01	0.0998	"	0.997	0.251	76.6	10-200		15.3	30	
Benzo(g,h,i)perylene	1.02	0.0998	"	0.997	0.101	92.4	10-138		19.1	30	
Benzo(k)fluoranthene	0.961	0.0998	"	0.997	0.0883	87.5	10-197		18.2	30	
Benzoic acid	0.171	0.0998	"	0.997	ND	17.1	10-166		24.2	30	
Benzyl alcohol	0.698	0.0998	"	0.997	ND	70.0	12-124		15.8	30	
Benzyl butyl phthalate	0.701	0.0998	"	0.997	ND	70.3	10-154		18.5	30	
Bis(2-chloroethoxy)methane	0.732	0.0998	"	0.997	ND	73.4	10-132		21.5	30	
Bis(2-chloroethyl)ether	0.656	0.0998	"	0.997	ND	65.8	10-119		16.5	30	
Bis(2-chloroisopropyl)ether	0.622	0.0998	"	0.997	ND	62.3	10-139		16.5	30	
Bis(2-ethylhexyl)phthalate	0.720	0.0998	"	0.997	ND	72.2	10-167		20.1	30	
Caprolactam	0.724	0.199	"	0.997	ND	72.6	10-132		10.9	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31265 - EPA 3550C

Matrix Spike Dup (BG31265-1) Matrix Spike Dup					Source sample: 23G0971-09 (Matrix Spike Dup)							Prepared: 07/24/2023 Analyzed: 07/25/2023	
Carbazole	0.806	0.0998	mg/kg dry	0.997	ND	80.8	10-167		14.6	30			
Chrysene	0.934	0.0998	"	0.997	0.178	75.7	10-156		15.9	30			
Dibenzo(a,h)anthracene	1.06	0.0998	"	0.997	ND	107	10-137		18.2	30			
Dibenzofuran	0.762	0.0998	"	0.997	ND	76.4	10-147		18.4	30			
Diethyl phthalate	0.757	0.0998	"	0.997	ND	75.9	20-120		18.8	30			
Dimethyl phthalate	0.756	0.0998	"	0.997	ND	75.8	18-131		16.4	30			
Di-n-butyl phthalate	0.759	0.0998	"	0.997	ND	76.1	10-137		17.7	30			
Di-n-octyl phthalate	0.733	0.0998	"	0.997	ND	73.5	10-180		19.9	30			
Fluoranthene	1.10	0.0998	"	0.997	0.398	70.2	10-160		14.2	30			
Fluorene	0.755	0.0998	"	0.997	ND	75.7	10-157		16.1	30			
Hexachlorobenzene	0.800	0.0998	"	0.997	ND	80.2	10-137		18.5	30			
Hexachlorobutadiene	0.767	0.0998	"	0.997	ND	76.9	10-132		17.2	30			
Hexachlorocyclopentadiene	0.452	0.0998	"	0.997	ND	45.3	10-106		24.2	30			
Hexachloroethane	0.666	0.0998	"	0.997	ND	66.8	10-110		16.7	30			
Indeno(1,2,3-cd)pyrene	1.15	0.0998	"	0.997	0.123	103	10-144		17.2	30			
Isophorone	0.752	0.0998	"	0.997	ND	75.4	10-132		19.6	30			
Naphthalene	0.746	0.0998	"	0.997	ND	74.8	10-141		16.1	30			
Nitrobenzene	0.755	0.0998	"	0.997	ND	75.7	10-131		17.1	30			
N-Nitrosodimethylamine	0.667	0.0998	"	0.997	ND	66.9	10-126		11.4	30			
N-nitroso-di-n-propylamine	0.653	0.0998	"	0.997	ND	65.4	10-125		20.2	30			
N-Nitrosodiphenylamine	0.942	0.0998	"	0.997	ND	94.5	10-177		20.0	30			
Pentachlorophenol	0.831	0.0998	"	0.997	ND	83.4	10-153		21.7	30			
Phenanthrene	0.971	0.0998	"	0.997	0.227	74.6	10-148		16.7	30			
Phenol	0.739	0.0998	"	0.997	ND	74.1	10-126		18.4	30			
Pyrene	0.991	0.0998	"	0.997	0.318	67.5	10-165		15.9	30			
Pyridine	0.561	0.400	"	0.997	ND	56.2	10-83		16.3	30			
Surrogate: SURR: 2-Fluorophenol	1.45		"	1.99		72.7	20-108						
Surrogate: SURR: Phenol-d6	1.36		"	1.99		68.3	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.717		"	0.997		71.8	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.697		"	0.997		69.8	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.85		"	1.99		92.6	19-110						
Surrogate: SURR: Terphenyl-d14	0.725		"	0.997		72.7	24-116						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31266 - EPA 3550C

Blank (BG31266-BLK1)	Blank										Prepared: 07/24/2023 Analyzed: 07/26/2023
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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31266 - EPA 3550C

Blank (BG31266-BLK1)	Blank	Prepared: 07/24/2023 Analyzed: 07/26/2023									
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	0.924		"	1.66		55.6	20-108				
Surrogate: SURR: Phenol-d6	0.947		"	1.66		57.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.538		"	0.831		64.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.510		"	0.831		61.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.19		"	1.66		132	19-110				
Surrogate: SURR: Terphenyl-d14	0.572		"	0.831		68.8	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31266 - EPA 3550C											
LCS (BG31266-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
1,1-Biphenyl	0.566	0.0416	mg/kg wet	0.831		68.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.708	0.0830	"	0.831		85.2	21-131				
1,2,4-Trichlorobenzene	0.565	0.0416	"	0.831		68.1	10-140				
1,2-Dichlorobenzene	0.474	0.0416	"	0.831		57.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.409	0.0416	"	0.831		49.2	17-137				
1,3-Dichlorobenzene	0.477	0.0416	"	0.831		57.4	33-110				
1,4-Dichlorobenzene	0.475	0.0416	"	0.831		57.2	32-104				
2,3,4,6-Tetrachlorophenol	0.681	0.0830	"	0.831		82.0	30-130				
2,4,5-Trichlorophenol	0.629	0.0416	"	0.831		75.7	27-118				
2,4,6-Trichlorophenol	0.553	0.0416	"	0.831		66.6	31-120				
2,4-Dichlorophenol	0.567	0.0416	"	0.831		68.3	20-127				
2,4-Dimethylphenol	0.512	0.0416	"	0.831		61.7	14-132				
2,4-Dinitrophenol	1.09	0.0830	"	0.831		132	10-171				
2,4-Dinitrotoluene	0.731	0.0416	"	0.831		88.0	34-131				
2,6-Dinitrotoluene	0.705	0.0416	"	0.831		84.9	31-128				
2-Chloronaphthalene	0.522	0.0416	"	0.831		62.9	31-117				
2-Chlorophenol	0.507	0.0416	"	0.831		61.1	33-113				
2-Methylnaphthalene	0.516	0.0416	"	0.831		62.1	12-138				
2-Methylphenol	0.498	0.0416	"	0.831		59.9	10-136				
2-Nitroaniline	0.673	0.0830	"	0.831		81.0	27-132				
2-Nitrophenol	0.679	0.0416	"	0.831		81.7	17-129				
3- & 4-Methylphenols	0.437	0.0416	"	0.831		52.6	29-103				
3,3-Dichlorobenzidine	0.436	0.0416	"	0.831		52.5	22-149				
3-Nitroaniline	0.564	0.0830	"	0.831		67.9	20-133				
4,6-Dinitro-2-methylphenol	0.912	0.0830	"	0.831		110	10-143				
4-Bromophenyl phenyl ether	0.524	0.0416	"	0.831		63.0	29-120				
4-Chloro-3-methylphenol	0.599	0.0416	"	0.831		72.2	24-129				
4-Chloroaniline	0.366	0.0416	"	0.831		44.1	10-132				
4-Chlorophenyl phenyl ether	0.571	0.0416	"	0.831		68.8	27-124				
4-Nitroaniline	0.597	0.0830	"	0.831		71.9	16-128				
4-Nitrophenol	0.680	0.0830	"	0.831		81.9	10-141				
Acenaphthene	0.516	0.0416	"	0.831		62.2	30-121				
Acenaphthylene	0.498	0.0416	"	0.831		59.9	30-115				
Acetophenone	0.505	0.0416	"	0.831		60.8	20-112				
Aniline	0.330	0.166	"	0.831		39.8	10-119				
Anthracene	0.586	0.0416	"	0.831		70.6	34-118				
Atrazine	0.611	0.0416	"	0.831		73.5	26-112				
Benzaldehyde	0.488	0.0416	"	0.831		58.8	21-100				
Benzo(a)anthracene	0.604	0.0416	"	0.831		72.7	32-122				
Benzo(a)pyrene	0.544	0.0416	"	0.831		65.5	29-133				
Benzo(b)fluoranthene	0.590	0.0416	"	0.831		71.0	25-133				
Benzo(g,h,i)perylene	0.547	0.0416	"	0.831		65.8	10-143				
Benzo(k)fluoranthene	0.567	0.0416	"	0.831		68.2	25-128				
Benzoic acid	0.766	0.0416	"	0.831		92.2	10-140				
Benzyl alcohol	0.508	0.0416	"	0.831		61.2	30-115				
Benzyl butyl phthalate	0.730	0.0416	"	0.831		87.9	26-126				
Bis(2-chloroethoxy)methane	0.494	0.0416	"	0.831		59.5	19-132				
Bis(2-chloroethyl)ether	0.442	0.0416	"	0.831		53.2	19-125				
Bis(2-chloroisopropyl)ether	0.371	0.0416	"	0.831		44.6	20-135				
Bis(2-ethylhexyl)phthalate	0.664	0.0416	"	0.831		79.9	10-155				
Caprolactam	0.691	0.0830	"	0.831		83.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31266 - EPA 3550C

LCS (BG31266-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Carbazole	0.611	0.0416	mg/kg wet	0.831		73.6	35-123				
Chrysene	0.549	0.0416	"	0.831		66.1	32-123				
Dibenzo(a,h)anthracene	0.557	0.0416	"	0.831		67.0	10-136				
Dibenzofuran	0.535	0.0416	"	0.831		64.4	29-121				
Diethyl phthalate	0.597	0.0416	"	0.831		71.9	34-116				
Dimethyl phthalate	0.569	0.0416	"	0.831		68.5	35-124				
Di-n-butyl phthalate	0.697	0.0416	"	0.831		84.0	31-116				
Di-n-octyl phthalate	0.768	0.0416	"	0.831		92.4	26-136				
Fluoranthene	0.572	0.0416	"	0.831		68.9	33-122				
Fluorene	0.543	0.0416	"	0.831		65.4	29-123				
Hexachlorobenzene	0.532	0.0416	"	0.831		64.1	21-124				
Hexachlorobutadiene	0.624	0.0416	"	0.831		75.1	10-149				
Hexachlorocyclopentadiene	0.233	0.0416	"	0.831		28.0	10-129				
Hexachloroethane	0.505	0.0416	"	0.831		60.8	28-108				
Indeno(1,2,3-cd)pyrene	0.606	0.0416	"	0.831		73.0	10-135				
Isophorone	0.538	0.0416	"	0.831		64.7	20-132				
Naphthalene	0.506	0.0416	"	0.831		61.0	23-124				
Nitrobenzene	0.576	0.0416	"	0.831		69.4	13-132				
N-Nitrosodimethylamine	0.587	0.0416	"	0.831		70.7	11-129				
N-nitroso-di-n-propylamine	0.457	0.0416	"	0.831		55.0	24-119				
N-Nitrosodiphenylamine	0.539	0.0416	"	0.831		64.9	22-152				
Pentachlorophenol	0.513	0.0416	"	0.831		61.7	10-139				
Phenanthrene	0.551	0.0416	"	0.831		66.3	33-123				
Phenol	0.486	0.0416	"	0.831		58.5	23-115				
Pyrene	0.600	0.0416	"	0.831		72.2	24-130				
Pyridine	0.496	0.166	"	0.831		59.7	10-91				
Surrogate: SURR: 2-Fluorophenol	1.09		"	1.66		65.6	20-108				
Surrogate: SURR: Phenol-d6	0.990		"	1.66		59.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.619		"	0.831		74.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.528		"	0.831		63.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.19		"	1.66		71.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.593		"	0.831		71.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31266 - EPA 3550C											
Matrix Spike (BG31266-MS1)	Matrix Spike	*Source sample: 23G1101-01 (Matrix Spike)						Prepared: 07/24/2023 Analyzed: 07/25/2023			
1,1-Biphenyl	0.475	0.0870	mg/kg dry	0.869	ND	54.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.594	0.174	"	0.869	ND	68.3	10-133				
1,2,4-Trichlorobenzene	0.474	0.0870	"	0.869	ND	54.6	10-127				
1,2-Dichlorobenzene	0.389	0.0870	"	0.869	ND	44.7	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.343	0.0870	"	0.869	ND	39.4	10-144				
1,3-Dichlorobenzene	0.401	0.0870	"	0.869	ND	46.2	11-111				
1,4-Dichlorobenzene	0.405	0.0870	"	0.869	ND	46.6	10-106				
2,3,4,6-Tetrachlorophenol	ND	0.174	"	0.869	ND		30-130	Low Bias			
2,4,5-Trichlorophenol	0.143	0.0870	"	0.869	ND	16.5	10-127				
2,4,6-Trichlorophenol	0.0765	0.0870	"	0.869	ND	8.80	10-132	Low Bias			
2,4-Dichlorophenol	0.227	0.0870	"	0.869	ND	26.1	10-128				
2,4-Dimethylphenol	0.390	0.0870	"	0.869	ND	44.9	10-137				
2,4-Dinitrophenol	ND	0.174	"	0.869	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.597	0.0870	"	0.869	ND	68.6	16-135				
2,6-Dinitrotoluene	0.591	0.0870	"	0.869	ND	68.0	18-131				
2-Chloronaphthalene	0.428	0.0870	"	0.869	ND	49.2	10-129				
2-Chlorophenol	0.244	0.0870	"	0.869	ND	28.1	15-116				
2-Methylnaphthalene	0.444	0.0870	"	0.869	ND	51.1	10-147				
2-Methylphenol	0.392	0.0870	"	0.869	ND	45.0	10-136				
2-Nitroaniline	0.581	0.174	"	0.869	ND	66.8	10-137				
2-Nitrophenol	0.227	0.0870	"	0.869	ND	26.1	10-129				
3- & 4-Methylphenols	0.340	0.0870	"	0.869	ND	39.1	10-123				
3,3-Dichlorobenzidine	0.341	0.0870	"	0.869	ND	39.3	10-155				
3-Nitroaniline	0.465	0.174	"	0.869	ND	53.4	12-133				
4,6-Dinitro-2-methylphenol	ND	0.174	"	0.869	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.440	0.0870	"	0.869	ND	50.6	14-128				
4-Chloro-3-methylphenol	0.483	0.0870	"	0.869	ND	55.5	10-134				
4-Chloroaniline	0.251	0.0870	"	0.869	ND	28.9	10-145				
4-Chlorophenyl phenyl ether	0.466	0.0870	"	0.869	ND	53.6	14-130				
4-Nitroaniline	0.491	0.174	"	0.869	ND	56.5	10-147				
4-Nitrophenol	0.118	0.174	"	0.869	ND	13.5	10-137				
Acenaphthene	0.444	0.0870	"	0.869	ND	51.0	10-146				
Acenaphthylene	0.431	0.0870	"	0.869	ND	49.6	10-134				
Acetophenone	0.421	0.0870	"	0.869	ND	48.5	10-116				
Aniline	0.266	0.348	"	0.869	ND	30.6	10-123				
Anthracene	0.495	0.0870	"	0.869	ND	57.0	10-142				
Atrazine	0.521	0.0870	"	0.869	ND	59.9	19-115				
Benzaldehyde	0.419	0.0870	"	0.869	ND	48.2	10-125				
Benzo(a)anthracene	0.560	0.0870	"	0.869	0.0457	59.1	10-158				
Benzo(a)pyrene	0.587	0.0870	"	0.869	0.0436	67.5	10-180				
Benzo(b)fluoranthene	0.613	0.0870	"	0.869	ND	70.5	10-200				
Benzo(g,h,i)perylene	0.582	0.0870	"	0.869	ND	67.0	10-138				
Benzo(k)fluoranthene	0.575	0.0870	"	0.869	ND	66.2	10-197				
Benzoic acid	0.100	0.0870	"	0.869	ND	11.5	10-166				
Benzyl alcohol	0.431	0.0870	"	0.869	ND	49.6	12-124				
Benzyl butyl phthalate	0.633	0.0870	"	0.869	ND	72.8	10-154				
Bis(2-chloroethoxy)methane	0.412	0.0870	"	0.869	ND	47.4	10-132				
Bis(2-chloroethyl)ether	0.379	0.0870	"	0.869	ND	43.6	10-119				
Bis(2-chloroisopropyl)ether	0.318	0.0870	"	0.869	ND	36.6	10-139				
Bis(2-ethylhexyl)phthalate	0.609	0.0870	"	0.869	ND	70.0	10-167				
Caprolactam	0.527	0.174	"	0.869	ND	60.6	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31266 - EPA 3550C

Matrix Spike (BG31266-MS1)	Matrix Spike	*Source sample: 23G1101-01 (Matrix Spike)						Prepared: 07/24/2023 Analyzed: 07/25/2023			
Carbazole	0.518	0.0870	mg/kg dry	0.869	ND	59.6	10-167				
Chrysene	0.514	0.0870	"	0.869	0.0443	54.0	10-156				
Dibenzo(a,h)anthracene	0.552	0.0870	"	0.869	ND	63.4	10-137				
Dibenzofuran	0.445	0.0870	"	0.869	ND	51.2	10-147				
Diethyl phthalate	0.468	0.0870	"	0.869	ND	53.8	20-120				
Dimethyl phthalate	0.469	0.0870	"	0.869	ND	54.0	18-131				
Di-n-butyl phthalate	0.591	0.0870	"	0.869	ND	68.0	10-137				
Di-n-octyl phthalate	0.689	0.0870	"	0.869	ND	79.3	10-180				
Fluoranthene	0.533	0.0870	"	0.869	0.0950	50.4	10-160				
Fluorene	0.440	0.0870	"	0.869	ND	50.6	10-157				
Hexachlorobenzene	0.431	0.0870	"	0.869	ND	49.5	10-137				
Hexachlorobutadiene	0.534	0.0870	"	0.869	ND	61.4	10-132				
Hexachlorocyclopentadiene	0.0946	0.0870	"	0.869	ND	10.9	10-106				
Hexachloroethane	0.407	0.0870	"	0.869	ND	46.8	10-110				
Indeno(1,2,3-cd)pyrene	0.634	0.0870	"	0.869	ND	72.9	10-144				
Isophorone	0.431	0.0870	"	0.869	ND	49.6	10-132				
Naphthalene	0.421	0.0870	"	0.869	ND	48.5	10-141				
Nitrobenzene	0.480	0.0870	"	0.869	ND	55.2	10-131				
N-Nitrosodimethylamine	0.515	0.0870	"	0.869	ND	59.3	10-126				
N-nitroso-di-n-propylamine	0.385	0.0870	"	0.869	ND	44.3	10-125				
N-Nitrosodiphenylamine	0.441	0.0870	"	0.869	ND	50.7	10-177				
Pentachlorophenol	0.0619	0.0870	"	0.869	ND	7.12	10-153	Low Bias			
Phenanthrene	0.488	0.0870	"	0.869	0.0600	49.3	10-148				
Phenol	0.316	0.0870	"	0.869	ND	36.4	10-126				
Pyrene	0.576	0.0870	"	0.869	0.0893	56.0	10-165				
Pyridine	0.465	0.348	"	0.869	ND	53.4	10-83				
Surrogate: SURR: 2-Fluorophenol	0.236		"	1.74		13.6	20-108				
Surrogate: SURR: Phenol-d6	0.581		"	1.74		33.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.524		"	0.869		60.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.433		"	0.869		49.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.109		"	1.74		6.24	19-110				
Surrogate: SURR: Terphenyl-d14	0.521		"	0.869		59.9	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31266 - EPA 3550C											
Matrix Spike Dup (BG31266-1)				Matrix Spike Dup				Source sample: 23G1101-01 (Matrix Spike Dup)			
								Prepared: 07/24/2023 Analyzed: 07/25/2023			
1,1-Biphenyl	0.611	0.0893	mg/kg dry	0.893	ND	68.5	10-130		25.1	30	
1,2,4,5-Tetrachlorobenzene	0.770	0.178	"	0.893	ND	86.2	10-133		25.8	30	
1,2,4-Trichlorobenzene	0.613	0.0893	"	0.893	ND	68.6	10-127		25.4	30	
1,2-Dichlorobenzene	0.525	0.0893	"	0.893	ND	58.8	14-111		29.8	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.439	0.0893	"	0.893	ND	49.2	10-144		24.6	30	
1,3-Dichlorobenzene	0.515	0.0893	"	0.893	ND	57.7	11-111		24.8	30	
1,4-Dichlorobenzene	0.523	0.0893	"	0.893	ND	58.6	10-106		25.6	30	
2,3,4,6-Tetrachlorophenol	0.169	0.178	"	0.893	ND	19.0	30-130	Low Bias		30	
2,4,5-Trichlorophenol	0.252	0.0893	"	0.893	ND	28.2	10-127		55.0	30	Non-dir.
2,4,6-Trichlorophenol	0.151	0.0893	"	0.893	ND	16.9	10-132		65.3	30	Non-dir.
2,4-Dichlorophenol	0.321	0.0893	"	0.893	ND	36.0	10-128		34.5	30	Non-dir.
2,4-Dimethylphenol	0.512	0.0893	"	0.893	ND	57.4	10-137		27.0	30	
2,4-Dinitrophenol	ND	0.178	"	0.893	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.808	0.0893	"	0.893	ND	90.6	16-135		30.1	30	Non-dir.
2,6-Dinitrotoluene	0.773	0.0893	"	0.893	ND	86.6	18-131		26.7	30	
2-Chloronaphthalene	0.560	0.0893	"	0.893	ND	62.7	10-129		26.7	30	
2-Chlorophenol	0.293	0.0893	"	0.893	ND	32.8	15-116		18.1	30	
2-Methylnaphthalene	0.565	0.0893	"	0.893	ND	63.4	10-147		24.0	30	
2-Methylphenol	0.529	0.0893	"	0.893	ND	59.3	10-136		29.9	30	
2-Nitroaniline	0.734	0.178	"	0.893	ND	82.2	10-137		23.3	30	
2-Nitrophenol	0.282	0.0893	"	0.893	ND	31.6	10-129		21.7	30	
3- & 4-Methylphenols	0.431	0.0893	"	0.893	ND	48.3	10-123		23.6	30	
3,3-Dichlorobenzidine	0.461	0.0893	"	0.893	ND	51.7	10-155		29.8	30	
3-Nitroaniline	0.586	0.178	"	0.893	ND	65.7	12-133		23.1	30	
4,6-Dinitro-2-methylphenol	0.137	0.178	"	0.893	ND	15.4	10-155			30	
4-Bromophenyl phenyl ether	0.560	0.0893	"	0.893	ND	62.7	14-128		23.9	30	
4-Chloro-3-methylphenol	0.583	0.0893	"	0.893	ND	65.3	10-134		18.8	30	
4-Chloroaniline	0.349	0.0893	"	0.893	ND	39.1	10-145		32.7	30	Non-dir.
4-Chlorophenyl phenyl ether	0.602	0.0893	"	0.893	ND	67.4	14-130		25.5	30	
4-Nitroaniline	0.657	0.178	"	0.893	ND	73.6	10-147		28.9	30	
4-Nitrophenol	0.166	0.178	"	0.893	ND	18.6	10-137		34.0	30	Non-dir.
Acenaphthene	0.565	0.0893	"	0.893	ND	63.3	10-146		24.0	30	
Acenaphthylene	0.556	0.0893	"	0.893	ND	62.3	10-134		25.3	30	
Acetophenone	0.546	0.0893	"	0.893	ND	61.2	10-116		25.8	30	
Aniline	0.354	0.358	"	0.893	ND	39.7	10-123		28.5	30	
Anthracene	0.633	0.0893	"	0.893	ND	70.9	10-142		24.4	30	
Atrazine	0.677	0.0893	"	0.893	ND	75.8	19-115		26.0	30	
Benzaldehyde	0.545	0.0893	"	0.893	ND	61.1	10-125		26.3	30	
Benzo(a)anthracene	0.695	0.0893	"	0.893	0.0457	72.8	10-158		21.6	30	
Benzo(a)pyrene	0.690	0.0893	"	0.893	ND	77.4	10-180		16.2	30	
Benzo(b)fluoranthene	0.708	0.0893	"	0.893	ND	79.3	10-200		14.4	30	
Benzo(g,h,i)perylene	0.673	0.0893	"	0.893	ND	75.4	10-138		14.5	30	
Benzo(k)fluoranthene	0.691	0.0893	"	0.893	ND	77.4	10-197		18.3	30	
Benzoic acid	0.218	0.0893	"	0.893	ND	24.5	10-166		74.3	30	Non-dir.
Benzyl alcohol	0.544	0.0893	"	0.893	ND	61.0	12-124		23.1	30	
Benzyl butyl phthalate	0.790	0.0893	"	0.893	ND	88.5	10-154		22.0	30	
Bis(2-chloroethoxy)methane	0.522	0.0893	"	0.893	ND	58.5	10-132		23.6	30	
Bis(2-chloroethyl)ether	0.480	0.0893	"	0.893	ND	53.8	10-119		23.5	30	
Bis(2-chloroisopropyl)ether	0.398	0.0893	"	0.893	ND	44.6	10-139		22.3	30	
Bis(2-ethylhexyl)phthalate	0.728	0.0893	"	0.893	ND	81.6	10-167		17.9	30	
Caprolactam	0.672	0.178	"	0.893	ND	75.3	10-132		24.1	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31266 - EPA 3550C

Matrix Spike Dup (BG31266-1) Matrix Spike Dup					Source sample: 23G1101-01 (Matrix Spike Dup)							Prepared: 07/24/2023 Analyzed: 07/25/2023	
Carbazole	0.667	0.0893	mg/kg dry	0.893	ND	74.7	10-167		25.1	30			
Chrysene	0.626	0.0893	"	0.893	ND	70.2	10-156		19.7	30			
Dibenzo(a,h)anthracene	0.682	0.0893	"	0.893	ND	76.4	10-137		21.1	30			
Dibenzofuran	0.580	0.0893	"	0.893	ND	65.0	10-147		26.4	30			
Diethyl phthalate	0.605	0.0893	"	0.893	ND	67.8	20-120		25.6	30			
Dimethyl phthalate	0.610	0.0893	"	0.893	ND	68.3	18-131		26.0	30			
Di-n-butyl phthalate	0.733	0.0893	"	0.893	ND	82.1	10-137		21.4	30			
Di-n-octyl phthalate	0.879	0.0893	"	0.893	ND	98.5	10-180		24.2	30			
Fluoranthene	0.659	0.0893	"	0.893	0.0950	63.2	10-160		21.2	30			
Fluorene	0.582	0.0893	"	0.893	ND	65.2	10-157		27.7	30			
Hexachlorobenzene	0.548	0.0893	"	0.893	ND	61.4	10-137		23.9	30			
Hexachlorobutadiene	0.688	0.0893	"	0.893	ND	77.1	10-132		25.2	30			
Hexachlorocyclopentadiene	0.139	0.0893	"	0.893	ND	15.5	10-106		37.7	30			Non-dir.
Hexachloroethane	0.528	0.0893	"	0.893	ND	59.2	10-110		26.0	30			
Indeno(1,2,3-cd)pyrene	0.738	0.0893	"	0.893	ND	82.7	10-144		15.3	30			
Isophorone	0.559	0.0893	"	0.893	ND	62.6	10-132		25.8	30			
Naphthalene	0.546	0.0893	"	0.893	ND	61.2	10-141		25.8	30			
Nitrobenzene	0.640	0.0893	"	0.893	ND	71.7	10-131		28.6	30			
N-Nitrosodimethylamine	0.665	0.0893	"	0.893	ND	74.5	10-126		25.3	30			
N-nitroso-di-n-propylamine	0.489	0.0893	"	0.893	ND	54.8	10-125		23.7	30			
N-Nitrosodiphenylamine	0.583	0.0893	"	0.893	ND	65.4	10-177		27.8	30			
Pentachlorophenol	0.105	0.0893	"	0.893	ND	11.8	10-153		51.6	30			Non-dir.
Phenanthrene	0.623	0.0893	"	0.893	0.0600	63.0	10-148		24.2	30			
Phenol	0.388	0.0893	"	0.893	ND	43.5	10-126		20.4	30			
Pyrene	0.704	0.0893	"	0.893	0.0893	68.9	10-165		20.0	30			
Pyridine	0.573	0.358	"	0.893	ND	64.2	10-83		21.0	30			
Surrogate: SURR: 2-Fluorophenol	0.251		"	1.79		14.1	20-108						
Surrogate: SURR: Phenol-d6	0.683		"	1.79		38.2	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.644		"	0.893		72.2	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.548		"	0.893		61.4	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	0.200		"	1.79		11.2	19-110						
Surrogate: SURR: Terphenyl-d14	0.625		"	0.893		70.0	24-116						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30066 - EPA 3550C

Blank (BH30066-BLK1)	Blank										Prepared: 08/01/2023 Analyzed: 08/03/2023
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30066 - EPA 3550C

Blank (BH30066-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/03/2023									
Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.27		"	1.67		76.2	20-108				
Surrogate: SURR: Phenol-d6	1.16		"	1.67		69.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.690		"	0.833		82.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.674		"	0.833		80.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.02		"	1.67		121	19-110				
Surrogate: SURR: Terphenyl-d14	0.813		"	0.833		97.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30066 - EPA 3550C											
LCS (BH30066-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/03/2023									
1,1-Biphenyl	0.644	0.0417	mg/kg wet	0.833		77.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.892	0.0833	"	0.833		107	21-131				
1,2,4-Trichlorobenzene	0.695	0.0417	"	0.833		83.4	10-140				
1,2-Dichlorobenzene	0.545	0.0417	"	0.833		65.4	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.538	0.0417	"	0.833		64.6	17-137				
1,3-Dichlorobenzene	0.536	0.0417	"	0.833		64.3	33-110				
1,4-Dichlorobenzene	0.520	0.0417	"	0.833		62.4	32-104				
2,3,4,6-Tetrachlorophenol	0.635	0.0833	"	0.833		76.2	30-130				
2,4,5-Trichlorophenol	0.738	0.0417	"	0.833		88.6	27-118				
2,4,6-Trichlorophenol	0.742	0.0417	"	0.833		89.0	31-120				
2,4-Dichlorophenol	0.687	0.0417	"	0.833		82.4	20-127				
2,4-Dimethylphenol	0.469	0.0417	"	0.833		56.2	14-132				
2,4-Dinitrophenol	1.14	0.0833	"	0.833		136	10-171				
2,4-Dinitrotoluene	0.863	0.0417	"	0.833		104	34-131				
2,6-Dinitrotoluene	0.803	0.0417	"	0.833		96.4	31-128				
2-Chloronaphthalene	0.604	0.0417	"	0.833		72.5	31-117				
2-Chlorophenol	0.549	0.0417	"	0.833		65.9	33-113				
2-Methylnaphthalene	0.637	0.0417	"	0.833		76.5	12-138				
2-Methylphenol	0.554	0.0417	"	0.833		66.4	10-136				
2-Nitroaniline	0.675	0.0833	"	0.833		81.0	27-132				
2-Nitrophenol	0.731	0.0417	"	0.833		87.7	17-129				
3- & 4-Methylphenols	0.507	0.0417	"	0.833		60.8	29-103				
3,3-Dichlorobenzidine	0.547	0.0417	"	0.833		65.7	22-149				
3-Nitroaniline	0.606	0.0833	"	0.833		72.7	20-133				
4,6-Dinitro-2-methylphenol	1.32	0.0833	"	0.833		159	10-143	High Bias			
4-Bromophenyl phenyl ether	0.706	0.0417	"	0.833		84.7	29-120				
4-Chloro-3-methylphenol	0.711	0.0417	"	0.833		85.3	24-129				
4-Chloroaniline	0.411	0.0417	"	0.833		49.4	10-132				
4-Chlorophenyl phenyl ether	0.662	0.0417	"	0.833		79.4	27-124				
4-Nitroaniline	ND	0.0833	"	0.833			16-128	Low Bias			
4-Nitrophenol	1.05	0.0833	"	0.833		125	10-141				
Acenaphthene	0.584	0.0417	"	0.833		70.1	30-121				
Acenaphthylene	0.571	0.0417	"	0.833		68.5	30-115				
Acetophenone	0.579	0.0417	"	0.833		69.4	20-112				
Aniline	0.175	0.167	"	0.833		21.0	10-119				
Anthracene	0.645	0.0417	"	0.833		77.4	34-118				
Atrazine	0.779	0.0417	"	0.833		93.5	26-112				
Benzaldehyde	0.565	0.0417	"	0.833		67.8	21-100				
Benzo(a)anthracene	0.686	0.0417	"	0.833		82.3	32-122				
Benzo(a)pyrene	0.710	0.0417	"	0.833		85.2	29-133				
Benzo(b)fluoranthene	0.728	0.0417	"	0.833		87.4	25-133				
Benzo(g,h,i)perylene	0.730	0.0417	"	0.833		87.6	10-143				
Benzo(k)fluoranthene	0.740	0.0417	"	0.833		88.8	25-128				
Benzoic acid	0.564	0.0417	"	0.833		67.6	10-140				
Benzyl alcohol	0.516	0.0417	"	0.833		62.0	30-115				
Benzyl butyl phthalate	0.615	0.0417	"	0.833		73.8	26-126				
Bis(2-chloroethoxy)methane	0.581	0.0417	"	0.833		69.7	19-132				
Bis(2-chloroethyl)ether	0.503	0.0417	"	0.833		60.4	19-125				
Bis(2-chloroisopropyl)ether	0.433	0.0417	"	0.833		51.9	20-135				
Bis(2-ethylhexyl)phthalate	0.648	0.0417	"	0.833		77.8	10-155				
Caprolactam	0.920	0.0833	"	0.833		110	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30066 - EPA 3550C

LCS (BH30066-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/03/2023									
Carbazole	0.637	0.0417	mg/kg wet	0.833		76.4	35-123				
Chrysene	0.693	0.0417	"	0.833		83.2	32-123				
Dibenzo(a,h)anthracene	0.716	0.0417	"	0.833		86.0	10-136				
Dibenzofuran	0.637	0.0417	"	0.833		76.4	29-121				
Diethyl phthalate	0.649	0.0417	"	0.833		77.9	34-116				
Dimethyl phthalate	0.648	0.0417	"	0.833		77.8	35-124				
Di-n-butyl phthalate	0.633	0.0417	"	0.833		76.0	31-116				
Di-n-octyl phthalate	0.659	0.0417	"	0.833		79.1	26-136				
Fluoranthene	0.687	0.0417	"	0.833		82.4	33-122				
Fluorene	0.612	0.0417	"	0.833		73.4	29-123				
Hexachlorobenzene	0.658	0.0417	"	0.833		79.0	21-124				
Hexachlorobutadiene	0.747	0.0417	"	0.833		89.6	10-149				
Hexachlorocyclopentadiene	0.401	0.0417	"	0.833		48.1	10-129				
Hexachloroethane	0.556	0.0417	"	0.833		66.8	28-108				
Indeno(1,2,3-cd)pyrene	0.700	0.0417	"	0.833		84.0	10-135				
Isophorone	0.597	0.0417	"	0.833		71.7	20-132				
Naphthalene	0.580	0.0417	"	0.833		69.6	23-124				
Nitrobenzene	0.616	0.0417	"	0.833		73.9	13-132				
N-Nitrosodimethylamine	0.469	0.0417	"	0.833		56.2	11-129				
N-nitroso-di-n-propylamine	0.502	0.0417	"	0.833		60.2	24-119				
N-Nitrosodiphenylamine	0.698	0.0417	"	0.833		83.8	22-152				
Pentachlorophenol	0.647	0.0417	"	0.833		77.6	10-139				
Phenanthrene	0.637	0.0417	"	0.833		76.5	33-123				
Phenol	0.562	0.0417	"	0.833		67.4	23-115				
Pyrene	0.639	0.0417	"	0.833		76.7	24-130				
Pyridine	0.394	0.167	"	0.833		47.2	10-91				
Surrogate: SURR: 2-Fluorophenol	1.22		"	1.67		73.4	20-108				
Surrogate: SURR: Phenol-d6	1.15		"	1.67		68.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.676		"	0.833		81.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.674		"	0.833		80.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.11		"	1.67		127	19-110				
Surrogate: SURR: Terphenyl-d14	0.768		"	0.833		92.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30066 - EPA 3550C											
Matrix Spike (BH30066-MS1) Matrix Spike *Source sample: 23G0963-12 (SB04 6-8)											
						Prepared: 08/01/2023 Analyzed: 08/03/2023					
1,1-Biphenyl	0.518	0.0900	mg/kg dry	0.899	ND	57.7	10-130				
1,2,4,5-Tetrachlorobenzene	0.717	0.180	"	0.899	ND	79.8	10-133				
1,2,4-Trichlorobenzene	0.551	0.0900	"	0.899	ND	61.3	10-127				
1,2-Dichlorobenzene	0.424	0.0900	"	0.899	ND	47.1	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.453	0.0900	"	0.899	ND	50.4	10-144				
1,3-Dichlorobenzene	0.419	0.0900	"	0.899	ND	46.6	11-111				
1,4-Dichlorobenzene	0.406	0.0900	"	0.899	ND	45.2	10-106				
2,3,4,6-Tetrachlorophenol	0.492	0.180	"	0.899	ND	54.7	30-130				
2,4,5-Trichlorophenol	0.598	0.0900	"	0.899	ND	66.6	10-127				
2,4,6-Trichlorophenol	0.601	0.0900	"	0.899	ND	66.9	10-132				
2,4-Dichlorophenol	0.548	0.0900	"	0.899	ND	61.0	10-128				
2,4-Dimethylphenol	0.309	0.0900	"	0.899	ND	34.4	10-137				
2,4-Dinitrophenol	0.545	0.180	"	0.899	ND	60.6	10-171				
2,4-Dinitrotoluene	0.687	0.0900	"	0.899	ND	76.4	16-135				
2,6-Dinitrotoluene	0.654	0.0900	"	0.899	ND	72.8	18-131				
2-Chloronaphthalene	0.490	0.0900	"	0.899	ND	54.6	10-129				
2-Chlorophenol	0.419	0.0900	"	0.899	ND	46.6	15-116				
2-Methylnaphthalene	0.544	0.0900	"	0.899	ND	60.5	10-147				
2-Methylphenol	0.243	0.0900	"	0.899	ND	27.0	10-136				
2-Nitroaniline	0.544	0.180	"	0.899	ND	60.5	10-137				
2-Nitrophenol	0.574	0.0900	"	0.899	ND	63.8	10-129				
3- & 4-Methylphenols	0.382	0.0900	"	0.899	ND	42.5	10-123				
3,3-Dichlorobenzidine	0.427	0.0900	"	0.899	ND	47.5	10-155				
3-Nitroaniline	0.508	0.180	"	0.899	ND	56.5	12-133				
4,6-Dinitro-2-methylphenol	0.873	0.180	"	0.899	ND	97.1	10-155				
4-Bromophenyl phenyl ether	0.593	0.0900	"	0.899	ND	66.0	14-128				
4-Chloro-3-methylphenol	0.582	0.0900	"	0.899	ND	64.8	10-134				
4-Chloroaniline	0.307	0.0900	"	0.899	ND	34.2	10-145				
4-Chlorophenyl phenyl ether	0.556	0.0900	"	0.899	ND	61.8	14-130				
4-Nitroaniline	0.511	0.180	"	0.899	ND	56.8	10-147				
4-Nitrophenol	0.935	0.180	"	0.899	ND	104	10-137				
Acenaphthene	0.495	0.0900	"	0.899	ND	55.1	10-146				
Acenaphthylene	0.476	0.0900	"	0.899	ND	53.0	10-134				
Acetophenone	0.441	0.0900	"	0.899	ND	49.0	10-116				
Aniline	ND	0.360	"	0.899	ND		10-123	Low Bias			
Anthracene	0.537	0.0900	"	0.899	ND	59.8	10-142				
Atrazine	0.631	0.0900	"	0.899	ND	70.2	19-115				
Benzaldehyde	0.427	0.0900	"	0.899	ND	47.5	10-125				
Benzo(a)anthracene	0.594	0.0900	"	0.899	ND	66.1	10-158				
Benzo(a)pyrene	0.611	0.0900	"	0.899	ND	67.9	10-180				
Benzo(b)fluoranthene	0.627	0.0900	"	0.899	ND	69.8	10-200				
Benzo(g,h,i)perylene	0.593	0.0900	"	0.899	ND	66.0	10-138				
Benzo(k)fluoranthene	0.636	0.0900	"	0.899	ND	70.8	10-197				
Benzoic acid	0.129	0.0900	"	0.899	ND	14.4	10-166				
Benzyl alcohol	0.393	0.0900	"	0.899	ND	43.8	12-124				
Benzyl butyl phthalate	0.531	0.0900	"	0.899	ND	59.1	10-154				
Bis(2-chloroethoxy)methane	0.470	0.0900	"	0.899	ND	52.2	10-132				
Bis(2-chloroethyl)ether	0.401	0.0900	"	0.899	ND	44.6	10-119				
Bis(2-chloroisopropyl)ether	0.339	0.0900	"	0.899	ND	37.7	10-139				
Bis(2-ethylhexyl)phthalate	0.562	0.0900	"	0.899	ND	62.6	10-167				
Caprolactam	0.758	0.180	"	0.899	ND	84.3	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30066 - EPA 3550C

Matrix Spike (BH30066-MS1)	Matrix Spike	*Source sample: 23G0963-12 (SB04 6-8)						Prepared: 08/01/2023 Analyzed: 08/03/2023			
Carbazole	0.536	0.0900	mg/kg dry	0.899	ND	59.6	10-167				
Chrysene	0.605	0.0900	"	0.899	ND	67.4	10-156				
Dibenzo(a,h)anthracene	0.595	0.0900	"	0.899	ND	66.2	10-137				
Dibenzofuran	0.536	0.0900	"	0.899	ND	59.7	10-147				
Diethyl phthalate	0.553	0.0900	"	0.899	ND	61.5	20-120				
Dimethyl phthalate	0.541	0.0900	"	0.899	ND	60.2	18-131				
Di-n-butyl phthalate	0.529	0.0900	"	0.899	ND	58.9	10-137				
Di-n-octyl phthalate	0.569	0.0900	"	0.899	ND	63.3	10-180				
Fluoranthene	0.577	0.0900	"	0.899	ND	64.2	10-160				
Fluorene	0.510	0.0900	"	0.899	ND	56.7	10-157				
Hexachlorobenzene	0.575	0.0900	"	0.899	ND	63.9	10-137				
Hexachlorobutadiene	0.593	0.0900	"	0.899	ND	66.0	10-132				
Hexachlorocyclopentadiene	0.264	0.0900	"	0.899	ND	29.4	10-106				
Hexachloroethane	0.424	0.0900	"	0.899	ND	47.2	10-110				
Indeno(1,2,3-cd)pyrene	0.565	0.0900	"	0.899	ND	62.9	10-144				
Isophorone	0.472	0.0900	"	0.899	ND	52.5	10-132				
Naphthalene	0.471	0.0900	"	0.899	ND	52.4	10-141				
Nitrobenzene	0.480	0.0900	"	0.899	ND	53.4	10-131				
N-Nitrosodimethylamine	0.353	0.0900	"	0.899	ND	39.3	10-126				
N-nitroso-di-n-propylamine	0.404	0.0900	"	0.899	ND	45.0	10-125				
N-Nitrosodiphenylamine	0.572	0.0900	"	0.899	ND	63.7	10-177				
Pentachlorophenol	0.404	0.0900	"	0.899	ND	45.0	10-153				
Phenanthrene	0.542	0.0900	"	0.899	ND	60.3	10-148				
Phenol	0.441	0.0900	"	0.899	ND	49.0	10-126				
Pyrene	0.562	0.0900	"	0.899	ND	62.6	10-165				
Pyridine	0.285	0.360	"	0.899	ND	31.7	10-83				
Surrogate: SURR: 2-Fluorophenol	0.922		"	1.80		51.3	20-108				
Surrogate: SURR: Phenol-d6	0.904		"	1.80		50.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.528		"	0.899		58.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.563		"	0.899		62.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.70		"	1.80		94.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.683		"	0.899		76.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag		
Batch BH30066 - EPA 3550C													
Matrix Spike Dup (BH30066-1)				Matrix Spike Dup				Source sample: 23G0963-12 (SB04 6-8)				Prepared: 08/01/2023 Analyzed: 08/03/2023	
1,1-Biphenyl	0.628	0.0921	mg/kg dry	0.920	ND	68.3	10-130		19.2	30			
1,2,4,5-Tetrachlorobenzene	0.928	0.184	"	0.920	ND	101	10-133		25.6	30			
1,2,4-Trichlorobenzene	0.714	0.0921	"	0.920	ND	77.6	10-127		25.8	30			
1,2-Dichlorobenzene	0.556	0.0921	"	0.920	ND	60.5	14-111		27.1	30			
1,2-Diphenylhydrazine (as Azobenzene)	0.570	0.0921	"	0.920	ND	61.9	10-144		22.8	30			
1,3-Dichlorobenzene	0.545	0.0921	"	0.920	ND	59.2	11-111		26.0	30			
1,4-Dichlorobenzene	0.528	0.0921	"	0.920	ND	57.4	10-106		26.1	30			
2,3,4,6-Tetrachlorophenol	0.638	0.184	"	0.920	ND	69.4	30-130		25.9	30			
2,4,5-Trichlorophenol	0.767	0.0921	"	0.920	ND	83.4	10-127		24.7	30			
2,4,6-Trichlorophenol	0.770	0.0921	"	0.920	ND	83.8	10-132		24.7	30			
2,4-Dichlorophenol	0.697	0.0921	"	0.920	ND	75.8	10-128		23.9	30			
2,4-Dimethylphenol	0.248	0.0921	"	0.920	ND	27.0	10-137		22.0	30			
2,4-Dinitrophenol	0.661	0.184	"	0.920	ND	71.8	10-171		19.2	30			
2,4-Dinitrotoluene	0.916	0.0921	"	0.920	ND	99.6	16-135		28.6	30			
2,6-Dinitrotoluene	0.854	0.0921	"	0.920	ND	92.8	18-131		26.4	30			
2-Chloronaphthalene	0.635	0.0921	"	0.920	ND	69.0	10-129		25.7	30			
2-Chlorophenol	0.537	0.0921	"	0.920	ND	58.4	15-116		24.8	30			
2-Methylnaphthalene	0.684	0.0921	"	0.920	ND	74.4	10-147		22.9	30			
2-Methylphenol	0.455	0.0921	"	0.920	ND	49.4	10-136		60.7	30	Non-dir.		
2-Nitroaniline	0.723	0.184	"	0.920	ND	78.6	10-137		28.4	30			
2-Nitrophenol	0.729	0.0921	"	0.920	ND	79.3	10-129		23.8	30			
3- & 4-Methylphenols	0.423	0.0921	"	0.920	ND	46.0	10-123		10.3	30			
3,3-Dichlorobenzidine	0.359	0.0921	"	0.920	ND	39.0	10-155		17.3	30			
3-Nitroaniline	0.671	0.184	"	0.920	ND	73.0	12-133		27.7	30			
4,6-Dinitro-2-methylphenol	1.16	0.184	"	0.920	ND	126	10-155		28.1	30			
4-Bromophenyl phenyl ether	0.768	0.0921	"	0.920	ND	83.5	14-128		25.7	30			
4-Chloro-3-methylphenol	0.728	0.0921	"	0.920	ND	79.1	10-134		22.2	30			
4-Chloroaniline	0.375	0.0921	"	0.920	ND	40.7	10-145		19.8	30			
4-Chlorophenyl phenyl ether	0.728	0.0921	"	0.920	ND	79.1	14-130		26.8	30			
4-Nitroaniline	0.649	0.184	"	0.920	ND	70.6	10-147		23.9	30			
4-Nitrophenol	1.21	0.184	"	0.920	ND	131	10-137		25.4	30			
Acenaphthene	0.638	0.0921	"	0.920	ND	69.4	10-146		25.1	30			
Acenaphthylene	0.611	0.0921	"	0.920	ND	66.4	10-134		24.8	30			
Acetophenone	0.555	0.0921	"	0.920	ND	60.3	10-116		22.9	30			
Aniline	ND	0.369	"	0.920	ND		10-123	Low Bias		30			
Anthracene	0.697	0.0921	"	0.920	ND	75.8	10-142			25.9	30		
Atrazine	0.782	0.0921	"	0.920	ND	85.0	19-115			21.3	30		
Benzaldehyde	0.535	0.0921	"	0.920	ND	58.2	10-125		22.4	30			
Benzo(a)anthracene	0.763	0.0921	"	0.920	ND	83.0	10-158		24.9	30			
Benzo(a)pyrene	0.762	0.0921	"	0.920	ND	82.9	10-180		22.1	30			
Benzo(b)fluoranthene	0.798	0.0921	"	0.920	ND	86.8	10-200		24.0	30			
Benzo(g,h,i)perylene	0.757	0.0921	"	0.920	ND	82.3	10-138		24.3	30			
Benzo(k)fluoranthene	0.810	0.0921	"	0.920	ND	88.1	10-197		24.0	30			
Benzoic acid	0.0912	0.0921	"	0.920	ND	9.92	10-166	Low Bias	34.6	30	Non-dir.		
Benzyl alcohol	0.518	0.0921	"	0.920	ND	56.3	12-124			27.4		30	
Benzyl butyl phthalate	0.687	0.0921	"	0.920	ND	74.6	10-154			25.5		30	
Bis(2-chloroethoxy)methane	0.606	0.0921	"	0.920	ND	65.9	10-132		25.4	30			
Bis(2-chloroethyl)ether	0.517	0.0921	"	0.920	ND	56.2	10-119		25.3	30			
Bis(2-chloroisopropyl)ether	0.455	0.0921	"	0.920	ND	49.4	10-139		29.3	30			
Bis(2-ethylhexyl)phthalate	0.727	0.0921	"	0.920	ND	79.0	10-167		25.5	30			
Caprolactam	0.918	0.184	"	0.920	ND	99.8	10-132		19.1	30			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30066 - EPA 3550C

Matrix Spike Dup (BH30066-1) Matrix Spike Dup						Source sample: 23G0963-12 (SB04 6-8)						Prepared: 08/01/2023 Analyzed: 08/03/2023	
Carbazole	0.693	0.0921	mg/kg dry	0.920	ND	75.4	10-167		25.6	30			
Chrysene	0.779	0.0921	"	0.920	ND	84.6	10-156		25.0	30			
Dibenzo(a,h)anthracene	0.767	0.0921	"	0.920	ND	83.4	10-137		25.2	30			
Dibenzofuran	0.697	0.0921	"	0.920	ND	75.8	10-147		26.0	30			
Diethyl phthalate	0.717	0.0921	"	0.920	ND	77.9	20-120		25.8	30			
Dimethyl phthalate	0.703	0.0921	"	0.920	ND	76.5	18-131		26.2	30			
Di-n-butyl phthalate	0.694	0.0921	"	0.920	ND	75.4	10-137		26.9	30			
Di-n-octyl phthalate	0.712	0.0921	"	0.920	ND	77.4	10-180		22.3	30			
Fluoranthene	0.746	0.0921	"	0.920	ND	81.1	10-160		25.6	30			
Fluorene	0.666	0.0921	"	0.920	ND	72.4	10-157		26.5	30			
Hexachlorobenzene	0.709	0.0921	"	0.920	ND	77.1	10-137		21.0	30			
Hexachlorobutadiene	0.770	0.0921	"	0.920	ND	83.7	10-132		25.9	30			
Hexachlorocyclopentadiene	0.350	0.0921	"	0.920	ND	38.1	10-106		28.1	30			
Hexachloroethane	0.559	0.0921	"	0.920	ND	60.8	10-110		27.4	30			
Indeno(1,2,3-cd)pyrene	0.742	0.0921	"	0.920	ND	80.6	10-144		27.0	30			
Isophorone	0.600	0.0921	"	0.920	ND	65.3	10-132		24.0	30			
Naphthalene	0.609	0.0921	"	0.920	ND	66.2	10-141		25.6	30			
Nitrobenzene	0.602	0.0921	"	0.920	ND	65.4	10-131		22.6	30			
N-Nitrosodimethylamine	0.461	0.0921	"	0.920	ND	50.2	10-126		26.6	30			
N-nitroso-di-n-propylamine	0.528	0.0921	"	0.920	ND	57.4	10-125		26.6	30			
N-Nitrosodiphenylamine	0.669	0.0921	"	0.920	ND	72.7	10-177		15.5	30			
Pentachlorophenol	0.495	0.0921	"	0.920	ND	53.8	10-153		20.3	30			
Phenanthrene	0.693	0.0921	"	0.920	ND	75.4	10-148		24.4	30			
Phenol	0.565	0.0921	"	0.920	ND	61.4	10-126		24.7	30			
Pyrene	0.725	0.0921	"	0.920	ND	78.8	10-165		25.2	30			
Pyridine	0.360	0.369	"	0.920	ND	39.1	10-83		23.3	30			
Surrogate: SURR: 2-Fluorophenol	1.14		"	1.84		62.0	20-108						
Surrogate: SURR: Phenol-d6	1.13		"	1.84		61.3	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.659		"	0.920		71.6	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.690		"	0.920		75.0	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.97		"	1.84		107	19-110						
Surrogate: SURR: Terphenyl-d14	0.854		"	0.920		92.9	24-116						



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30970 - EPA 3535A											
Blank (BG30970-BLK1)	Blank								Prepared & Analyzed: 07/19/2023		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.65		"	4.00		66.2	36.6-118				
LCS (BG30970-BS1)	LCS								Prepared & Analyzed: 07/19/2023		
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				
Matrix Spike (BG30970-MS1)	Matrix Spike	*Source sample: 23G0795-05 (Matrix Spike)							Prepared & Analyzed: 07/19/2023		
1,4-Dioxane	10.1	0.300	ug/L	4.00	5.78	109	50-130				
Surrogate: 1,4-Dioxane-d8	2.58		"	4.00		64.6	50-130				
Matrix Spike Dup (BG30970-MS1)	Matrix Spike Dup	*Source sample: 23G0795-05 (Matrix Spike Dup)							Prepared & Analyzed: 07/19/2023		
1,4-Dioxane	10.3	0.300	ug/L	4.00	5.78	114	50-130		2.03	30	
Surrogate: 1,4-Dioxane-d8	2.49		"	4.00		62.2	50-130				
Batch BG31178 - EPA 3550C											
Blank (BG31178-BLK1)	Blank								Prepared: 07/22/2023 Analyzed: 07/24/2023		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	216		"	248		87.4	39-127.5				
LCS (BG31178-BS1)	LCS								Prepared: 07/22/2023 Analyzed: 07/24/2023		
1,4-Dioxane	500	19.8	ug/kg	495		101	40-130				
Surrogate: 1,4-Dioxane-d8	226		"	248		91.5	39-127.5				
Matrix Spike (BG31178-MS1)	Matrix Spike	*Source sample: 23G0881-14 (Matrix Spike)							Prepared: 07/22/2023 Analyzed: 07/24/2023		
1,4-Dioxane	462	19.6	ug/kg	490	ND	94.2	40-130				
Surrogate: 1,4-Dioxane-d8	208		"	245		85.0	40-130				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31178 - EPA 3550C

Matrix Spike Dup (BG31178-1)		Matrix Spike Dup		Source sample: 23G0881-14 (Matrix Spike Dup)				Prepared: 07/22/2023 Analyzed: 07/24/2023			
1,4-Dioxane	475	19.4	ug/kg	485	ND	97.8	40-130		2.77	30	
Surrogate: 1,4-Dioxane-d8	229		"	243		94.4	40-130				

Batch BH30073 - EPA 3550C

Blank (BH30073-BLK1)		Blank		Prepared: 08/01/2023 Analyzed: 08/03/2023							
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	275		"	495		55.6	39-127.5				

LCS (BH30073-BS1)		LCS		Prepared: 08/01/2023 Analyzed: 08/03/2023							
1,4-Dioxane	493	19.8	ug/kg	495		99.6	40-130				
Surrogate: 1,4-Dioxane-d8	287		"	495		57.9	39-127.5				

Matrix Spike (BH30073-MS1)		Matrix Spike		*Source sample: 23G1621-01 (Matrix Spike)				Prepared: 08/01/2023 Analyzed: 08/03/2023			
1,4-Dioxane	693	18.7	ug/kg	467	ND	148	40-130	High Bias			
Surrogate: 1,4-Dioxane-d8	211		"	467		45.1	40-130				

Matrix Spike Dup (BH30073-1)		Matrix Spike Dup		Source sample: 23G1621-01 (Matrix Spike Dup)				Prepared: 08/01/2023 Analyzed: 08/03/2023			
1,4-Dioxane	472	19.2	ug/kg	481	ND	98.2	40-130		38.0	30	Non-dir.
Surrogate: 1,4-Dioxane-d8	249		"	481		51.8	40-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31064 - EPA 1633 Prep

Blank (BG31064-BLK1)	Blank	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.176	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.198	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.198	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.182	"								
Perfluorooctanoic acid (PFOA)	ND	0.198	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.185	"								
Perfluorononanoic acid (PFNA)	ND	0.198	"								
Perfluorodecanoic acid (PFDA)	ND	0.198	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.198	"								
Perfluorododecanoic acid (PFDoA)	ND	0.198	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.198	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.198	"								
N-MeFOSAA	ND	0.198	"								
N-EtFOSAA	ND	0.198	"								
Perfluoropentanoic acid (PFPeA)	ND	0.397	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.198	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.198	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.191	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.754	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.762	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.794	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.353	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.397	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.397	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.397	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.187	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.744	"								
HFPO-DA (Gen-X)	ND	0.794	"								
11CL-PF3OUdS	ND	0.750	"								
9CL-PF3ONS	ND	0.742	"								
ADONA	ND	0.750	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.192	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.190	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.992	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.96	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.96	"								
N-MeFOSE	ND	1.98	"								
N-MeFOSA	ND	0.198	"								
N-EtFOSE	ND	1.98	"								
N-EtFOSA	ND	0.198	"								
Surrogate: M3PFBS	2.95		"	2.31		128	25-150				
Surrogate: M5PFHxA	3.52		"	2.48		142	25-150				
Surrogate: M4PFHpA	2.56		"	2.48		103	25-150				
Surrogate: M3PFHxS	2.25		"	2.35		95.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.89		"	2.48		76.0	25-150				
Surrogate: M6PFDA	1.12		"	1.24		90.1	25-150				
Surrogate: M7PFUdA	1.09		"	1.24		87.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.06		"	1.24		85.7	25-150				
Surrogate: M2PFTeDA	1.00		"	1.24		80.8	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31064 - EPA 1633 Prep

Blank (BG31064-BLK1)	Blank	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.70		ug/kg wet	9.92		57.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.97		"	2.38		83.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	7.63		"	4.96		154	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.93		"	2.48		77.9	10-150				
Surrogate: d3-N-MeFOSAA	5.02		"	4.96		101	25-150				
Surrogate: d5-N-EtFOSAA	5.02		"	4.96		101	25-150				
Surrogate: M2-6:2 FTS	9.31		"	4.72		197	25-200				
Surrogate: M2-8:2 FTS	5.29		"	4.76		111	25-200				
Surrogate: M9PFNA	0.814		"	1.24		65.7	25-150				
Surrogate: M2-4:2 FTS	8.43		"	4.65		181	25-150				
Surrogate: d-N-MeFOSA	2.09		"	2.48		84.4	25-150				
Surrogate: d-N-EtFOSA	1.45		"	2.48		58.4	25-150				
Surrogate: M3HFPO-DA	12.3		"	9.92		124	25-150				
Surrogate: d9-N-EtFOSE	14.3		"	24.8		57.5	25-150				
Surrogate: d7-N-MeFOSE	16.4		"	24.8		66.1	25-150				

LCS (BG31064-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorobutanesulfonic acid (PFBS)	0.532	0.176	ug/kg wet	0.705		75.4	50-150				
Perfluorohexanoic acid (PFHxA)	0.627	0.199	"	0.797		78.7	50-150				
Perfluoroheptanoic acid (PFHpA)	0.443	0.199	"	0.797		55.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.587	0.182	"	0.729		80.6	50-150				
Perfluorooctanoic acid (PFOA)	0.548	0.199	"	0.797		68.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.398	0.185	"	0.741		53.8	50-150				
Perfluorononanoic acid (PFNA)	0.585	0.199	"	0.797		73.4	50-150				
Perfluorodecanoic acid (PFDA)	0.586	0.199	"	0.797		73.5	50-150				
Perfluoroundecanoic acid (PFUnA)	0.725	0.199	"	0.797		91.0	50-150				
Perfluorododecanoic acid (PFDoA)	0.754	0.199	"	0.797		94.6	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.598	0.199	"	0.797		75.0	50-150				
Perfluorotetradecanoic acid (PFTA)	0.541	0.199	"	0.797		67.9	50-150				
N-MeFOSAA	0.739	0.199	"	0.797		92.7	50-150				
N-EtFOSAA	0.450	0.199	"	0.797		56.5	50-150				
Perfluoropentanoic acid (PFPeA)	1.15	0.398	"	1.59		72.1	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.522	0.199	"	0.797		65.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.612	0.199	"	0.761		80.5	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.216	0.192	"	0.769		28.1	50-150	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.03	0.757	"	3.03		100	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.36	0.765	"	3.06		110	50-150				
Perfluoro-n-butanoic acid (PFBA)	2.24	0.797	"	3.19		70.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	0.978	0.355	"	1.42		68.9	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	0.895	0.398	"	1.59		56.1	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.796	0.398	"	1.59		50.0	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.24	0.398	"	1.59		78.0	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.871	0.187	"	0.749		116	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	2.52	0.747	"	2.99		84.3	50-150				
HFPO-DA (Gen-X)	1.17	0.797	"	1.59		73.6	50-150				
11CL-PF3OUdS	0.369	0.753	"	1.51		24.5	50-150	Low Bias			
9CL-PF3ONS	0.605	0.745	"	1.49		40.6	50-150	Low Bias			
ADONA	1.04	0.753	"	1.51		69.2	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31064 - EPA 1633 Prep

LCS (BG31064-BS1)	LCS	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorododecanesulfonic acid (PFDoS)	0.233	0.193	ug/kg wet	0.773		30.1	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	0.498	0.191	"	0.765		65.2	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	7.83	0.996	"	3.19		246	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	12.8	4.98	"	15.9		80.1	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1.80	4.98	"	15.9		11.3	50-150	Low Bias			
N-MeFOSE	5.73	1.99	"	7.97		71.9	50-150				
N-MeFOSA	0.878	0.199	"	0.797		110	50-150				
N-EtFOSE	5.81	1.99	"	7.97		72.9	50-150				
N-EtFOSA	0.472	0.199	"	0.797		59.2	50-150				
Surrogate: M3PFBS	3.26		"	2.32		140	25-150				
Surrogate: M5PFHxA	4.62		"	2.49		185	25-150				
Surrogate: M4PFHpA	3.69		"	2.49		148	25-150				
Surrogate: M3PFHxS	2.52		"	2.36		107	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.89		"	2.49		116	25-150				
Surrogate: M6PFDA	0.918		"	1.25		73.7	25-150				
Surrogate: M7PFUdA	0.824		"	1.25		66.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.799		"	1.25		64.2	25-150				
Surrogate: M2PFTeDA	0.781		"	1.25		62.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.98		"	9.96		60.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.44		"	2.39		102	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	7.96		"	4.98		160	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.25		"	2.49		90.2	10-150				
Surrogate: d3-N-MeFOSAA	4.73		"	4.98		94.9	25-150				
Surrogate: d5-N-EtFOSAA	4.41		"	4.98		88.6	25-150				
Surrogate: M2-6:2 FTS	11.3		"	4.74		239	25-200				
Surrogate: M2-8:2 FTS	5.41		"	4.78		113	25-200				
Surrogate: M9PFNA	1.47		"	1.25		118	25-150				
Surrogate: M2-4:2 FTS	9.48		"	4.67		203	25-150				
Surrogate: d-N-MeFOSA	2.09		"	2.49		83.8	25-150				
Surrogate: d-N-EtFOSA	1.58		"	2.49		63.3	25-150				
Surrogate: M3HFPO-DA	14.4		"	9.96		145	25-150				
Surrogate: d9-N-EtFOSE	14.4		"	24.9		58.0	25-150				
Surrogate: d7-N-MeFOSE	15.7		"	24.9		63.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31064 - EPA 1633 Prep

LCS (BG31064-BS2)	LCS	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorobutanesulfonic acid (PFBS)	3.11	0.175	ug/kg wet	3.50		88.7	50-150				
Perfluorohexanoic acid (PFHxA)	3.66	0.198	"	3.96		92.4	50-150				
Perfluoroheptanoic acid (PFHpA)	3.15	0.198	"	3.96		79.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	3.37	0.181	"	3.62		93.0	50-150				
Perfluorooctanoic acid (PFOA)	2.88	0.198	"	3.96		72.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	2.62	0.184	"	3.68		71.0	50-150				
Perfluorononanoic acid (PFNA)	2.26	0.198	"	3.96		56.9	50-150				
Perfluorodecanoic acid (PFDA)	3.71	0.198	"	3.96		93.6	50-150				
Perfluoroundecanoic acid (PFUnA)	4.23	0.198	"	3.96		107	50-150				
Perfluorododecanoic acid (PFDoA)	3.45	0.198	"	3.96		87.0	50-150				
Perfluorotridecanoic acid (PFTrDA)	4.12	0.198	"	3.96		104	50-150				
Perfluorotetradecanoic acid (PFTA)	3.60	0.198	"	3.96		91.0	50-150				
N-MeFOSAA	3.84	0.198	"	3.96		96.9	50-150				
N-EtFOSAA	2.46	0.198	"	3.96		62.1	50-150				
Perfluoropentanoic acid (PFPeA)	6.88	0.396	"	7.92		86.9	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	2.98	0.198	"	3.96		75.2	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.96	0.198	"	3.78		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.29	0.191	"	3.82		86.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	15.8	0.752	"	15.0		105	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	16.0	0.760	"	15.2		105	50-150				
Perfluoro-n-butanoic acid (PFBA)	12.4	0.792	"	15.8		78.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	6.34	0.352	"	7.05		89.9	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	5.84	0.396	"	7.92		73.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.74	0.396	"	7.92		34.6	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	7.61	0.396	"	7.92		96.0	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.82	0.186	"	3.72		103	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	15.3	0.743	"	14.9		103	50-150				
HFPO-DA (Gen-X)	7.05	0.792	"	7.92		89.0	50-150				
11CL-PF3OUdS	4.12	0.749	"	7.49		55.1	50-150				
9CL-PF3ONS	3.86	0.741	"	7.41		52.1	50-150				
ADONA	5.74	0.749	"	7.49		76.7	50-150				
Perfluorododecanesulfonic acid (PFDoS)	3.70	0.192	"	3.84		96.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.53	0.190	"	3.80		119	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	52.3	0.990	"	15.8		330	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	73.7	4.95	"	79.2		93.0	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	6.06	4.95	"	79.2		7.65	50-150	Low Bias			
N-MeFOSE	29.5	1.98	"	39.6		74.5	50-150				
N-MeFOSA	3.07	0.198	"	3.96		77.6	50-150				
N-EtFOSE	35.3	1.98	"	39.6		89.2	50-150				
N-EtFOSA	4.60	0.198	"	3.96		116	50-150				
Surrogate: M3PFBS	2.88		"	2.31		125	25-150				
Surrogate: M5PFHxA	2.96		"	2.48		120	25-150				
Surrogate: M4PFHpA	2.05		"	2.48		82.6	25-150				
Surrogate: M3PFHxS	2.21		"	2.35		94.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.16		"	2.48		87.3	25-150				
Surrogate: M6PFDA	0.877		"	1.24		70.9	25-150				
Surrogate: M7PFUdA	0.759		"	1.24		61.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.894		"	1.24		72.3	25-150				
Surrogate: M2PFTeDA	0.737		"	1.24		59.5	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31064 - EPA 1633 Prep

LCS (BG31064-BS2)	LCS	Prepared: 07/19/2023 Analyzed: 07/25/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.13		ug/kg wet	9.90		21.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.97		"	2.37		83.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.42		"	4.95		110	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.56		"	2.48		103	10-150				
Surrogate: d3-N-MeFOSAA	5.35		"	4.95		108	25-150				
Surrogate: d5-N-EtFOSAA	6.13		"	4.95		124	25-150				
Surrogate: M2-6:2 FTS	9.72		"	4.71		206	25-200				
Surrogate: M2-8:2 FTS	7.28		"	4.75		153	25-200				
Surrogate: M9PFNA	1.17		"	1.24		94.5	25-150				
Surrogate: M2-4:2 FTS	8.76		"	4.64		189	25-150				
Surrogate: d-N-MeFOSA	2.08		"	2.48		84.0	25-150				
Surrogate: d-N-EtFOSA	1.75		"	2.48		70.8	25-150				
Surrogate: M3HFPO-DA	10.5		"	9.90		106	25-150				
Surrogate: d9-N-EtFOSE	18.8		"	24.8		75.8	25-150				
Surrogate: d7-N-MeFOSE	22.2		"	24.8		89.6	25-150				

Duplicate (BG31064-DUP1)	Duplicate	*Source sample: 23G0969-05 (Duplicate) Prepared: 07/19/2023 Analyzed: 07/25/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.223	ug/kg dry	ND						30	
Perfluorohexanoic acid (PFHxA)	0.116	0.252	"	0.113				2.28		30	
Perfluoroheptanoic acid (PFHpA)	0.273	0.252	"	0.267				2.12		30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.231	"	ND						30	
Perfluorooctanoic acid (PFOA)	ND	0.252	"	ND						30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.235	"	0.420						30	
Perfluorononanoic acid (PFNA)	0.344	0.252	"	0.347				0.727		30	
Perfluorodecanoic acid (PFDA)	0.341	0.252	"	0.282				19.2		30	
Perfluoroundecanoic acid (PFUnA)	ND	0.252	"	0.271						30	
Perfluorododecanoic acid (PFDoA)	ND	0.252	"	0.216						30	
Perfluorotridecanoic acid (PFTriDA)	ND	0.252	"	ND						30	
Perfluorotetradecanoic acid (PFTA)	ND	0.252	"	ND						30	
N-MeFOSAA	ND	0.252	"	ND						30	
N-EtFOSAA	1.47	0.252	"	1.76				17.5		30	
Perfluoropentanoic acid (PFPeA)	0.156	0.505	"	ND						30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.252	"	ND						30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.252	"	ND						30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.243	"	ND						30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.959	"	ND						30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.969	"	ND						30	
Perfluoro-n-butanoic acid (PFBA)	0.152	1.01	"	0.231				41.4		30	Non-dir.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.449	"	ND						30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.505	"	ND						30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.505	"	ND						30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.505	"	ND						30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.237	"	ND						30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	0.946	"	ND						30	
HFPO-DA (Gen-X)	ND	1.01	"	ND						30	
11CL-PF3OUdS	ND	0.954	"	ND						30	
9CL-PF3ONS	ND	0.944	"	ND						30	
ADONA	ND	0.954	"	ND						30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31064 - EPA 1633 Prep

Duplicate (BG31064-DUP1)	Duplicate	*Source sample: 23G0969-05 (Duplicate)				Prepared: 07/19/2023 Analyzed: 07/25/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.245	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.242	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.26	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	6.31	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	6.31	"	ND						30	
N-MeFOSE	ND	2.52	"	ND						30	
N-MeFOSA	ND	0.252	"	ND						30	
N-EtFOSE	ND	2.52	"	ND						30	
N-EtFOSA	ND	0.252	"	ND						30	
Surrogate: M3PFBS	4.18		"	2.94		142	25-150				
Surrogate: M5PFHxA	4.41		"	3.15		140	25-150				
Surrogate: M4PFHpA	4.26		"	3.15		135	25-150				
Surrogate: M3PFHxS	5.08		"	2.99		170	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.23		"	3.15		134	25-150				
Surrogate: M6PFDA	1.89		"	1.58		120	25-150				
Surrogate: M7PFUdA	2.23		"	1.58		142	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.36		"	1.58		150	25-150				
Surrogate: M2PFTeDA	1.98		"	1.58		126	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.89		"	12.6		15.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.76		"	3.02		158	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.08		"	6.31		48.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	4.90		"	3.15		155	10-150				
Surrogate: d3-N-MeFOSAA	15.9		"	6.31		252	25-150				
Surrogate: d5-N-EtFOSAA	20.0		"	6.31		317	25-150				
Surrogate: M2-6:2 FTS	21.9		"	6.00		365	25-200				
Surrogate: M2-8:2 FTS	24.1		"	6.05		398	25-200				
Surrogate: M9PFNA	1.83		"	1.58		116	25-150				
Surrogate: M2-4:2 FTS	11.4		"	5.92		193	25-150				
Surrogate: d-N-MeFOSA	3.36		"	3.15		107	25-150				
Surrogate: d-N-EtFOSA	3.08		"	3.15		97.6	25-150				
Surrogate: M3HFPO-DA	14.0		"	12.6		111	25-150				
Surrogate: d9-N-EtFOSE	39.5		"	31.5		125	25-150				
Surrogate: d7-N-MeFOSE	42.6		"	31.5		135	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31210 - EPA 1633 Prep

Blank (BG31210-BLK1)	Blank	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	59.2		"	46.6		127	25-150				
Surrogate: M5PFHxA	75.2		"	50.0		150	25-150				
Surrogate: M4PFHpA	40.9		"	50.0		81.9	25-150				
Surrogate: M3PFHxS	54.6		"	47.4		115	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	67.1		"	50.0		134	25-150				
Surrogate: M6PFDA	29.7		"	25.0		119	25-150				
Surrogate: M7PFUdA	31.4		"	25.0		126	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	36.2		"	25.0		145	25-150				
Surrogate: M2PFTeDA	26.8		"	25.0		107	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31210 - EPA 1633 Prep

Blank (BG31210-BLK1)	Blank	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	244		ng/L	200		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	74.9		"	47.9		156	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	139		"	100		139	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	69.4		"	50.0		139	10-150				
Surrogate: d3-N-MeFOSAA	184		"	100		184	25-150				
Surrogate: d5-N-EtFOSAA	236		"	100		236	25-150				
Surrogate: M2-6:2 FTS	632		"	95.1		665	25-200				
Surrogate: M2-8:2 FTS	188		"	96.0		196	25-200				
Surrogate: M9PFNA	28.5		"	25.0		114	25-150				
Surrogate: M2-4:2 FTS	347		"	93.8		370	25-150				
Surrogate: d-N-MeFOSA	49.7		"	50.0		99.5	25-150				
Surrogate: d-N-EtFOSA	42.9		"	50.0		85.9	25-150				
Surrogate: M3HFPO-DA	208		"	200		104	25-150				
Surrogate: d9-N-EtFOSE	478		"	500		95.7	25-150				
Surrogate: d7-N-MeFOSE	539		"	500		108	25-150				

LCS (BG31210-BS1)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorobutanesulfonic acid (PFBS)	119	3.54	ng/L	70.8		168	50-150	High Bias			
Perfluorohexanoic acid (PFHxA)	130	4.00	"	80.0		163	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	125	4.00	"	80.0		156	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	108	3.66	"	73.2		148	50-150				
Perfluorooctanoic acid (PFOA)	105	4.00	"	80.0		131	50-150				
Perfluorooctanesulfonic acid (PFOS)	114	3.72	"	74.4		153	50-150	High Bias			
Perfluorononanoic acid (PFNA)	78.5	4.00	"	80.0		98.2	50-150				
Perfluorodecanoic acid (PFDA)	134	4.00	"	80.0		167	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	133	4.00	"	80.0		167	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	128	4.00	"	80.0		160	50-150	High Bias			
Perfluorotridecanoic acid (PFTTrDA)	126	4.00	"	80.0		157	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	111	4.00	"	80.0		139	50-150				
N-MeFOSAA	139	4.00	"	80.0		174	50-150	High Bias			
N-EtFOSAA	122	4.00	"	80.0		153	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	254	8.00	"	160		159	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	155	4.00	"	80.0		194	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	126	3.82	"	76.4		165	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	103	3.86	"	77.2		133	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	639	15.2	"	304		210	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	671	15.4	"	307		218	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	499	16.0	"	320		156	50-150	High Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	217	7.12	"	142		152	50-150	High Bias			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	202	8.00	"	160		126	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	261	8.00	"	160		163	50-150	High Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	240	8.00	"	160		150	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	126	3.76	"	75.2		168	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	519	15.0	"	300		173	50-150	High Bias			
HFPO-DA (Gen-X)	274	16.0	"	160		172	50-150	High Bias			
11CL-PF3OUdS	215	15.1	"	151		142	50-150				
9CL-PF3ONS	221	15.0	"	150		148	50-150				
ADONA	304	15.1	"	151		201	50-150	High Bias			





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31210 - EPA 1633 Prep

LCS (BG31210-BS1)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Perfluorododecanesulfonic acid (PFDoS)	100	3.88	ng/L	77.6		129	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	117	3.84	"	76.8		152	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2340	10.0	"	320		732	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	3030	50.0	"	1600		190	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	596	50.0	"	1600		37.3	50-150	Low Bias			
N-MeFOSE	1150	40.0	"	800		143	50-150				
N-MeFOSA	127	4.00	"	80.0		159	50-150	High Bias			
N-EtFOSE	1260	40.0	"	800		157	50-150	High Bias			
N-EtFOSA	118	4.00	"	80.0		148	50-150				
Surrogate: M3PFBS	55.9		"	46.6		120	25-150				
Surrogate: M5PFHxA	77.2		"	50.0		154	25-150				
Surrogate: M4PFHpA	56.5		"	50.0		113	25-150				
Surrogate: M3PFHxS	61.0		"	47.4		129	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.5		"	50.0		127	25-150				
Surrogate: M6PFDA	26.0		"	25.0		104	25-150				
Surrogate: M7PFUdA	27.9		"	25.0		112	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.8		"	25.0		107	25-150				
Surrogate: M2PFTeDA	25.1		"	25.0		101	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	243		"	200		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	65.1		"	47.9		136	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	56.0		"	50.0		112	10-150				
Surrogate: d3-N-MeFOSAA	153		"	100		153	25-150				
Surrogate: d5-N-EtFOSAA	158		"	100		158	25-150				
Surrogate: M2-6:2 FTS	245		"	95.1		258	25-200				
Surrogate: M2-8:2 FTS	172		"	96.0		179	25-200				
Surrogate: M9PFNA	36.3		"	25.0		145	25-150				
Surrogate: M2-4:2 FTS	216		"	93.8		230	25-150				
Surrogate: d-N-MeFOSA	49.5		"	50.0		99.1	25-150				
Surrogate: d-N-EtFOSA	45.5		"	50.0		91.0	25-150				
Surrogate: M3HFPO-DA	238		"	200		119	25-150				
Surrogate: d9-N-EtFOSE	428		"	500		85.7	25-150				
Surrogate: d7-N-MeFOSE	491		"	500		98.2	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31210 - EPA 1633 Prep											
LCS (BG31210-BS2)	LCS						Prepared: 07/21/2023 Analyzed: 07/24/2023				
Perfluorobutanesulfonic acid (PFBS)	15.1	3.54	ng/L	14.2		107	50-150				
Perfluorohexanoic acid (PFHxA)	15.1	4.00	"	16.0		94.3	50-150				
Perfluoroheptanoic acid (PFHpA)	15.1	4.00	"	16.0		94.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	16.6	3.66	"	14.6		113	50-150				
Perfluorooctanoic acid (PFOA)	14.0	4.00	"	16.0		87.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	11.5	3.72	"	14.9		77.2	50-150				
Perfluorononanoic acid (PFNA)	15.2	4.00	"	16.0		95.2	50-150				
Perfluorodecanoic acid (PFDA)	19.8	4.00	"	16.0		123	50-150				
Perfluoroundecanoic acid (PFUnA)	18.2	4.00	"	16.0		114	50-150				
Perfluorododecanoic acid (PFDoA)	16.9	4.00	"	16.0		105	50-150				
Perfluorotridecanoic acid (PFTriDA)	17.6	4.00	"	16.0		110	50-150				
Perfluorotetradecanoic acid (PFTA)	15.0	4.00	"	16.0		93.9	50-150				
N-MeFOSAA	22.1	4.00	"	16.0		138	50-150				
N-EtFOSAA	12.8	4.00	"	16.0		79.9	50-150				
Perfluoropentanoic acid (PFPeA)	32.6	8.00	"	32.0		102	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	15.0	4.00	"	16.0		93.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	17.9	3.82	"	15.3		117	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.5	3.86	"	15.4		81.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	81.6	15.2	"	60.8		134	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	101	15.4	"	61.4		164	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	60.6	16.0	"	64.0		94.7	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.4	7.12	"	28.5		92.7	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	22.4	8.00	"	32.0		70.2	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	32.5	8.00	"	32.0		102	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	30.8	8.00	"	32.0		96.1	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	17.7	3.76	"	15.0		118	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	67.2	15.0	"	60.0		112	50-150				
HFPO-DA (Gen-X)	15.4	16.0	"	32.0		48.1	50-150	Low Bias			
11CL-PF3OUdS	25.1	15.1	"	30.2		83.1	50-150				
9CL-PF3ONS	26.3	15.0	"	29.9		88.0	50-150				
ADONA	37.6	15.1	"	30.2		124	50-150				
Perfluorododecanesulfonic acid (PFDoS)	7.58	3.88	"	15.5		48.9	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	16.3	3.84	"	15.4		106	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	303	10.0	"	64.0		474	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	365	50.0	"	320		114	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	82.2	50.0	"	320		25.7	50-150	Low Bias			
N-MeFOSE	150	40.0	"	160		93.5	50-150				
N-MeFOSA	12.7	4.00	"	16.0		79.7	50-150				
N-EtFOSE	145	40.0	"	160		90.6	50-150				
N-EtFOSA	16.4	4.00	"	16.0		102	50-150				
Surrogate: M3PFBS	56.0		"	46.6		120	25-150				
Surrogate: M5PFHxA	74.7		"	50.0		149	25-150				
Surrogate: M4PFHpA	59.0		"	50.0		118	25-150				
Surrogate: M3PFHxS	58.8		"	47.4		124	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.5		"	50.0		123	25-150				
Surrogate: M6PFDA	28.3		"	25.0		113	25-150				
Surrogate: M7PFUdA	34.0		"	25.0		136	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.1		"	25.0		136	25-150				
Surrogate: M2PFTeDA	27.5		"	25.0		110	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31210 - EPA 1633 Prep

LCS (BG31210-BS2)	LCS	Prepared: 07/21/2023 Analyzed: 07/24/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	204	ng/L	200	102	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	64.2	"	47.9	134	25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	145	"	100	145	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	65.7	"	50.0	132	10-150						
Surrogate: d3-N-MeFOSAA	138	"	100	138	25-150						
Surrogate: d5-N-EtFOSAA	152	"	100	152	25-150						
Surrogate: M2-6:2 FTS	229	"	95.1	241	25-200						
Surrogate: M2-8:2 FTS	146	"	96.0	152	25-200						
Surrogate: M9PFNA	32.8	"	25.0	131	25-150						
Surrogate: M2-4:2 FTS	184	"	93.8	196	25-150						
Surrogate: d-N-MeFOSA	67.6	"	50.0	135	25-150						
Surrogate: d-N-EtFOSA	45.6	"	50.0	91.1	25-150						
Surrogate: M3HFPO-DA	237	"	200	119	25-150						
Surrogate: d9-N-EtFOSE	428	"	500	85.6	25-150						
Surrogate: d7-N-MeFOSE	500	"	500	100	25-150						

Duplicate (BG31210-DUP1)	Duplicate	*Source sample: 23G1030-05 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	1.67	1.59	ng/L	3.45	69.6	30	Non-dir.				
Perfluorohexanoic acid (PFHxA)	7.53	1.79	"	14.8	65.4	30	Non-dir.				
Perfluoroheptanoic acid (PFHpA)	0.981	1.79	"	2.20	76.6	30	Non-dir.				
Perfluorohexanesulfonic acid (PFHxS)	1.22	1.64	"	3.00	84.0	30	Non-dir.				
Perfluorooctanoic acid (PFOA)	2.08	1.79	"	3.60	53.3	30	Non-dir.				
Perfluorooctanesulfonic acid (PFOS)	4.30	1.67	"	5.12	17.5	30					
Perfluorononanoic acid (PFNA)	2.86	1.79	"	4.04	34.3	30	Non-dir.				
Perfluorodecanoic acid (PFDA)	ND	1.79	"	ND		30					
Perfluoroundecanoic acid (PFUnA)	ND	1.79	"	ND		30					
Perfluorododecanoic acid (PFDoA)	ND	1.79	"	ND		30					
Perfluorotridecanoic acid (PFTriDA)	ND	1.79	"	ND		30					
Perfluorotetradecanoic acid (PFTA)	ND	1.79	"	ND		30					
N-MeFOSAA	ND	1.79	"	ND		30					
N-EtFOSAA	ND	1.79	"	ND		30					
Perfluoropentanoic acid (PFPeA)	5.22	3.59	"	11.6	76.1	30	Non-dir.				
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.79	"	ND		30					
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.71	"	ND		30					
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.73	"	ND		30					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	6.82	"	ND		30					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	6.89	"	ND		30					
Perfluoro-n-butanoic acid (PFBA)	3.44	7.17	"	6.80	65.6	30	Non-dir.				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.19	"	ND		30					
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.59	"	ND		30					
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.59	"	ND		30					
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.59	"	ND		30					
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.69	"	ND		30					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	6.73	"	ND		30					
HFPO-DA (Gen-X)	ND	7.17	"	ND		30					
11CL-PF3OUdS	ND	6.78	"	ND		30					
9CL-PF3ONS	ND	6.71	"	ND		30					
ADONA	ND	6.78	"	ND		30					



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31210 - EPA 1633 Prep

Duplicate (BG31210-DUP1)	Duplicate	*Source sample: 23G1030-05 (Duplicate)				Prepared: 07/21/2023 Analyzed: 07/25/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	1.74	ng/L	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.72	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.48	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	22.4	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	22.4	"	ND						30	
N-MeFOSE	ND	17.9	"	ND						30	
N-MeFOSA	ND	1.79	"	ND						30	
N-EtFOSE	ND	17.9	"	ND						30	
N-EtFOSA	ND	1.79	"	ND						30	
Surrogate: M3PFBS	66.0		"	20.9		316	25-150				
Surrogate: M5PFHxA	75.5		"	22.4		337	25-150				
Surrogate: M4PFHpA	64.3		"	22.4		287	25-150				
Surrogate: M3PFHxS	67.0		"	21.3		315	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.8		"	22.4		276	25-150				
Surrogate: M6PFDA	20.3		"	11.2		181	25-150				
Surrogate: M7PFUdA	23.1		"	11.2		206	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.0		"	11.2		178	25-150				
Surrogate: M2PFTeDA	11.2		"	11.2		100	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.3		"	89.7		26.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	61.8		"	21.5		288	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	110		"	44.8		246	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.4		"	22.4		274	10-150				
Surrogate: d3-N-MeFOSAA	122		"	44.8		273	25-150				
Surrogate: d5-N-EtFOSAA	152		"	44.8		340	25-150				
Surrogate: M2-6:2 FTS	343		"	42.6		804	25-200				
Surrogate: M2-8:2 FTS	167		"	43.0		388	25-200				
Surrogate: M9PFNA	26.9		"	11.2		240	25-150				
Surrogate: M2-4:2 FTS	307		"	42.1		730	25-150				
Surrogate: d-N-MeFOSA	41.0		"	22.4		183	25-150				
Surrogate: d-N-EtFOSA	35.0		"	22.4		156	25-150				
Surrogate: M3HFPO-DA	236		"	89.7		263	25-150				
Surrogate: d9-N-EtFOSE	289		"	224		129	25-150				
Surrogate: d7-N-MeFOSE	323		"	224		144	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31400 - EPA 1633 Prep

Blank (BG31400-BLK1) Blank		Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.174	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.197	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.197	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.180	"								
Perfluorooctanoic acid (PFOA)	ND	0.197	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.183	"								
Perfluorononanoic acid (PFNA)	ND	0.197	"								
Perfluorodecanoic acid (PFDA)	ND	0.197	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.197	"								
Perfluorododecanoic acid (PFDoA)	ND	0.197	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.197	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.197	"								
N-MeFOSAA	ND	0.197	"								
N-EtFOSAA	ND	0.197	"								
Perfluoropentanoic acid (PFPeA)	ND	0.394	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.197	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.197	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.190	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.748	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.756	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.787	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.350	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.394	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.394	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.394	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.185	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.738	"								
HFPO-DA (Gen-X)	ND	0.787	"								
11CL-PF3OUdS	ND	0.744	"								
9CL-PF3ONS	ND	0.736	"								
ADONA	ND	0.744	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.191	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.189	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.984	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.92	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.92	"								
N-MeFOSE	ND	1.97	"								
N-MeFOSA	ND	0.197	"								
N-EtFOSE	ND	1.97	"								
N-EtFOSA	ND	0.197	"								
Surrogate: M3PFBS	1.45		"	2.29		63.2	25-150				
Surrogate: M5PFHxA	1.27		"	2.46		51.6	25-150				
Surrogate: M4PFHpA	1.42		"	2.46		57.9	25-150				
Surrogate: M3PFHxS	1.67		"	2.33		71.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.71		"	2.46		69.7	25-150				
Surrogate: M6PFDA	0.673		"	1.23		54.7	25-150				
Surrogate: M7PFUdA	1.12		"	1.23		91.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.14		"	1.23		92.8	25-150				
Surrogate: M2PFTeDA	0.905		"	1.23		73.6	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31400 - EPA 1633 Prep

Blank (BG31400-BLK1)	Blank	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.423		ug/kg wet	9.84		4.30	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.33		"	2.36		98.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	1.38		"	4.92		28.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.96		"	2.46		79.5	10-150				
Surrogate: d3-N-MeFOSAA	4.48		"	4.92		91.0	25-150				
Surrogate: d5-N-EtFOSAA	5.39		"	4.92		110	25-150				
Surrogate: M2-6:2 FTS	9.47		"	4.68		202	25-200				
Surrogate: M2-8:2 FTS	5.51		"	4.72		117	25-200				
Surrogate: M9PFNA	0.863		"	1.23		70.2	25-150				
Surrogate: M2-4:2 FTS	4.61		"	4.62		100	25-150				
Surrogate: d-N-MeFOSA	1.21		"	2.46		49.3	25-150				
Surrogate: d-N-EtFOSA	1.94		"	2.46		78.9	25-150				
Surrogate: M3HFPO-DA	3.50		"	9.84		35.6	25-150				
Surrogate: d9-N-EtFOSE	14.9		"	24.6		60.4	25-150				
Surrogate: d7-N-MeFOSE	16.7		"	24.6		68.1	25-150				

LCS (BG31400-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	5.24	0.175	ug/kg wet	3.49		150	50-150				
Perfluorohexanoic acid (PFHxA)	6.33	0.197	"	3.94		160	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	4.95	0.197	"	3.94		125	50-150				
Perfluorohexanesulfonic acid (PFHxS)	5.44	0.180	"	3.61		151	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	5.22	0.197	"	3.94		132	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.42	0.183	"	3.67		93.1	50-150				
Perfluorononanoic acid (PFNA)	4.61	0.197	"	3.94		117	50-150				
Perfluorodecanoic acid (PFDA)	5.56	0.197	"	3.94		141	50-150				
Perfluoroundecanoic acid (PFUnA)	7.09	0.197	"	3.94		180	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	5.81	0.197	"	3.94		147	50-150				
Perfluorotridecanoic acid (PFTriDA)	6.60	0.197	"	3.94		167	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	5.37	0.197	"	3.94		136	50-150				
N-MeFOSAA	7.27	0.197	"	3.94		184	50-150	High Bias			
N-EtFOSAA	5.98	0.197	"	3.94		152	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	12.1	0.394	"	7.89		154	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	5.90	0.197	"	3.94		149	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.75	0.197	"	3.77		153	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	4.31	0.190	"	3.81		113	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	30.4	0.750	"	15.0		203	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	37.0	0.757	"	15.1		244	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	22.8	0.789	"	15.8		145	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	13.1	0.351	"	7.02		187	50-150	High Bias			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.29	0.394	"	7.89		105	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.7	0.394	"	7.89		136	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	10.1	0.394	"	7.89		128	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	6.27	0.185	"	3.71		169	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	23.4	0.740	"	14.8		158	50-150	High Bias			
HFPO-DA (Gen-X)	12.4	0.789	"	7.89		157	50-150	High Bias			
11CL-PF3OUdS	14.8	0.746	"	7.46		199	50-150	High Bias			
9CL-PF3ONS	15.0	0.738	"	7.38		203	50-150	High Bias			
ADONA	14.7	0.746	"	7.46		197	50-150	High Bias			



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31400 - EPA 1633 Prep

LCS (BG31400-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorododecanesulfonic acid (PFDoS)	3.73	0.191	ug/kg wet	3.83		97.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.75	0.189	"	3.79		152	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	150	0.986	"	15.8		948	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	150	4.93	"	78.9		190	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	22.2	4.93	"	78.9		28.2	50-150	Low Bias			
N-MeFOSE	53.7	1.97	"	39.4		136	50-150				
N-MeFOSA	4.66	0.197	"	3.94		118	50-150				
N-EtFOSE	50.6	1.97	"	39.4		128	50-150				
N-EtFOSA	4.61	0.197	"	3.94		117	50-150				
Surrogate: M3PFBS	1.78		"	2.30		77.6	25-150				
Surrogate: M5PFHxA	1.58		"	2.47		64.1	25-150				
Surrogate: M4PFHpA	1.73		"	2.47		70.3	25-150				
Surrogate: M3PFHxS	1.95		"	2.34		83.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.73		"	2.47		70.1	25-150				
Surrogate: M6PFDA	1.03		"	1.23		83.4	25-150				
Surrogate: M7PFUdA	0.906		"	1.23		73.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.01		"	1.23		82.2	25-150				
Surrogate: M2PFTeDA	0.959		"	1.23		77.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.23		"	9.86		53.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.29		"	2.36		96.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	2.89		"	4.93		58.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.68		"	2.47		68.0	10-150				
Surrogate: d3-N-MeFOSAA	4.68		"	4.93		94.9	25-150				
Surrogate: d5-N-EtFOSAA	4.73		"	4.93		96.0	25-150				
Surrogate: M2-6:2 FTS	7.77		"	4.69		166	25-200				
Surrogate: M2-8:2 FTS	5.18		"	4.73		109	25-200				
Surrogate: M9PFNA	0.862		"	1.23		69.9	25-150				
Surrogate: M2-4:2 FTS	5.42		"	4.63		117	25-150				
Surrogate: d-N-MeFOSA	2.06		"	2.47		83.5	25-150				
Surrogate: d-N-EtFOSA	1.56		"	2.47		63.2	25-150				
Surrogate: M3HFPO-DA	5.25		"	9.86		53.2	25-150				
Surrogate: d9-N-EtFOSE	14.8		"	24.7		60.1	25-150				
Surrogate: d7-N-MeFOSE	15.7		"	24.7		63.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31400 - EPA 1633 Prep

LCS (BG31400-BS2)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	0.741	0.176	ug/kg wet	0.705		105	50-150				
Perfluorohexanoic acid (PFHxA)	0.954	0.199	"	0.797		120	50-150				
Perfluoroheptanoic acid (PFHpA)	0.821	0.199	"	0.797		103	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.765	0.182	"	0.729		105	50-150				
Perfluorooctanoic acid (PFOA)	0.985	0.199	"	0.797		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.595	0.185	"	0.741		80.2	50-150				
Perfluorononanoic acid (PFNA)	0.830	0.199	"	0.797		104	50-150				
Perfluorodecanoic acid (PFDA)	0.825	0.199	"	0.797		104	50-150				
Perfluoroundecanoic acid (PFUnA)	1.00	0.199	"	0.797		126	50-150				
Perfluorododecanoic acid (PFDoA)	0.887	0.199	"	0.797		111	50-150				
Perfluorotridecanoic acid (PFTrDA)	0.782	0.199	"	0.797		98.2	50-150				
Perfluorotetradecanoic acid (PFTA)	0.827	0.199	"	0.797		104	50-150				
N-MeFOSAA	0.686	0.199	"	0.797		86.1	50-150				
N-EtFOSAA	0.583	0.199	"	0.797		73.1	50-150				
Perfluoropentanoic acid (PFPeA)	1.52	0.398	"	1.59		95.5	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.641	0.199	"	0.797		80.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.921	0.199	"	0.761		121	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.757	0.192	"	0.769		98.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.37	0.757	"	3.03		144	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.11	0.765	"	3.06		167	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	3.16	0.797	"	3.19		99.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.66	0.355	"	1.42		117	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	0.973	0.398	"	1.59		61.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.29	0.398	"	1.59		80.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.79	0.398	"	1.59		112	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.840	0.187	"	0.749		112	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	3.52	0.747	"	2.99		118	50-150				
HFPO-DA (Gen-X)	2.19	0.797	"	1.59		137	50-150				
11CL-PF3OUdS	1.81	0.753	"	1.51		120	50-150				
9CL-PF3ONS	2.60	0.745	"	1.49		175	50-150	High Bias			
ADONA	2.42	0.753	"	1.51		161	50-150	High Bias			
Perfluorododecanesulfonic acid (PFDoS)	0.562	0.193	"	0.773		72.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.700	0.191	"	0.765		91.5	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	28.0	0.996	"	3.19		877	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	29.3	4.98	"	15.9		184	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	4.77	4.98	"	15.9		29.9	50-150	Low Bias			
N-MeFOSE	6.45	1.99	"	7.97		81.0	50-150				
N-MeFOSA	0.787	0.199	"	0.797		98.8	50-150				
N-EtFOSE	7.53	1.99	"	7.97		94.5	50-150				
N-EtFOSA	0.812	0.199	"	0.797		102	50-150				
Surrogate: M3PFBS	1.35		"	2.32		58.4	25-150				
Surrogate: M5PFHxA	1.43		"	2.49		57.5	25-150				
Surrogate: M4PFHpA	1.90		"	2.49		76.5	25-150				
Surrogate: M3PFHxS	1.97		"	2.36		83.4	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.71		"	2.49		68.8	25-150				
Surrogate: M6PFDA	1.17		"	1.25		94.1	25-150				
Surrogate: M7PFUdA	1.03		"	1.25		82.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.08		"	1.25		86.7	25-150				
Surrogate: M2PFTeDA	1.04		"	1.25		83.7	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BG31400 - EPA 1633 Prep

LCS (BG31400-BS2)	LCS	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.66		ug/kg wet	9.96		26.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.94		"	2.39		81.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	1.78		"	4.98		35.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.78		"	2.49		71.7	10-150				
Surrogate: d3-N-MeFOSAA	4.49		"	4.98		90.1	25-150				
Surrogate: d5-N-EtFOSAA	6.23		"	4.98		125	25-150				
Surrogate: M2-6:2 FTS	7.83		"	4.74		165	25-200				
Surrogate: M2-8:2 FTS	6.22		"	4.78		130	25-200				
Surrogate: M9PFNA	0.960		"	1.25		77.1	25-150				
Surrogate: M2-4:2 FTS	5.23		"	4.67		112	25-150				
Surrogate: d-N-MeFOSA	1.39		"	2.49		55.9	25-150				
Surrogate: d-N-EtFOSA	1.85		"	2.49		74.5	25-150				
Surrogate: M3HFPO-DA	4.90		"	9.96		49.2	25-150				
Surrogate: d9-N-EtFOSE	16.5		"	24.9		66.3	25-150				
Surrogate: d7-N-MeFOSE	16.9		"	24.9		67.8	25-150				

Duplicate (BG31400-DUP1)	Duplicate	*Source sample: 23G1030-02 (Duplicate) Prepared: 07/25/2023 Analyzed: 07/26/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.195	ug/kg dry		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	0.220	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	0.220	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.202	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	0.220	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.205	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	0.220	"		0.301					30	
Perfluorodecanoic acid (PFDA)	ND	0.220	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	0.220	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	0.220	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	0.220	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	0.220	"		ND					30	
N-MeFOSAA	ND	0.220	"		ND					30	
N-EtFOSAA	ND	0.220	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	0.441	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.220	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.220	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.213	"		0.420					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.838	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.847	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	0.882	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.392	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.441	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.441	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.441	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.207	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	0.827	"		ND					30	
HFPO-DA (Gen-X)	ND	0.882	"		ND					30	
11CL-PF3OUdS	ND	0.833	"		ND					30	
9CL-PF3ONS	ND	0.825	"		ND					30	
ADONA	ND	0.833	"		ND					30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31400 - EPA 1633 Prep

Duplicate (BG31400-DUP1)	Duplicate	*Source sample: 23G1030-02 (Duplicate)				Prepared: 07/25/2023 Analyzed: 07/26/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.214	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.212	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.10	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.51	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.51	"	ND						30	
N-MeFOSE	ND	2.20	"	ND						30	
N-MeFOSA	ND	0.220	"	ND						30	
N-EtFOSE	ND	2.20	"	ND						30	
N-EtFOSA	ND	0.220	"	ND						30	
Surrogate: M3PFBS	0.757		"	2.57		29.5	25-150				
Surrogate: M5PFHxA	0.473		"	2.76		17.2	25-150				
Surrogate: M4PFHpA	0.384		"	2.76		13.9	25-150				
Surrogate: M3PFHxS	0.674		"	2.61		25.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	0.585		"	2.76		21.2	25-150				
Surrogate: M6PFDA	0.340		"	1.38		24.7	25-150				
Surrogate: M7PFUdA	0.185		"	1.38		13.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.230		"	1.38		16.7	25-150				
Surrogate: M2PFTeDA	0.369		"	1.38		26.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.35		"	11.0		12.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.527		"	2.64		20.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.796		"	5.51		14.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	0.581		"	2.76		21.1	10-150				
Surrogate: d3-N-MeFOSAA	1.55		"	5.51		28.1	25-150				
Surrogate: d5-N-EtFOSAA	2.26		"	5.51		40.9	25-150				
Surrogate: M2-6:2 FTS	2.35		"	5.24		44.9	25-200				
Surrogate: M2-8:2 FTS	2.07		"	5.29		39.1	25-200				
Surrogate: M9PFNA	0.156		"	1.38		11.3	25-150				
Surrogate: M2-4:2 FTS	1.57		"	5.17		30.3	25-150				
Surrogate: d-N-MeFOSA	0.545		"	2.76		19.8	25-150				
Surrogate: d-N-EtFOSA	3.90		"	2.76		142	25-150				
Surrogate: M3HFPO-DA	1.54		"	11.0		14.0	25-150				
Surrogate: d9-N-EtFOSE	5.70		"	27.6		20.7	25-150				
Surrogate: d7-N-MeFOSE	5.21		"	27.6		18.9	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

Blank (BH30145-BLK1) Blank		Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.176	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.199	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.199	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.182	"								
Perfluorooctanoic acid (PFOA)	ND	0.199	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.185	"								
Perfluorononanoic acid (PFNA)	ND	0.199	"								
Perfluorodecanoic acid (PFDA)	ND	0.199	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.199	"								
Perfluorododecanoic acid (PFDoA)	ND	0.199	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.199	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.199	"								
N-MeFOSAA	ND	0.199	"								
N-EtFOSAA	ND	0.199	"								
Perfluoropentanoic acid (PFPeA)	ND	0.398	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.199	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.199	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.192	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.755	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.763	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.795	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.354	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.398	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.398	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.398	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.187	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.746	"								
HFPO-DA (Gen-X)	ND	0.795	"								
11CL-PF3OUdS	ND	0.751	"								
9CL-PF3ONS	ND	0.744	"								
ADONA	ND	0.751	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.193	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.191	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.994	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.97	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.97	"								
N-MeFOSE	ND	1.99	"								
N-MeFOSA	ND	0.199	"								
N-EtFOSE	ND	1.99	"								
N-EtFOSA	ND	0.199	"								
Surrogate: M3PFBS	2.18		"	2.32		94.2	25-150				
Surrogate: M5PFHxA	2.38		"	2.49		95.8	25-150				
Surrogate: M4PFHpA	1.67		"	2.49		67.1	25-150				
Surrogate: M3PFHxS	1.64		"	2.36		69.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.49		"	2.49		59.9	25-150				
Surrogate: M6PFDA	0.668		"	1.24		53.7	25-150				
Surrogate: M7PFUdA	0.684		"	1.24		55.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.548		"	1.24		44.1	25-150				
Surrogate: M2PFTeDA	0.524		"	1.24		42.2	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30145 - EPA 1633 Prep											
Blank (BH30145-BLK1)	Blank										Prepared: 08/03/2023 Analyzed: 08/08/2023
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0838		ug/kg wet	9.94		0.843	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.21		"	2.38		51.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.507		"	4.97		10.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.43		"	2.49		57.5	10-150				
Surrogate: d3-N-MeFOSAA	2.57		"	4.97		51.6	25-150				
Surrogate: d5-N-EtFOSAA	2.63		"	4.97		53.0	25-150				
Surrogate: M2-6:2 FTS	2.08		"	4.73		44.1	25-200				
Surrogate: M2-8:2 FTS	2.41		"	4.77		50.6	25-200				
Surrogate: M9PFNA	0.750		"	1.24		60.3	25-150				
Surrogate: M2-4:2 FTS	2.69		"	4.66		57.6	25-150				
Surrogate: d-N-MeFOSA	1.29		"	2.49		51.8	25-150				
Surrogate: d-N-EtFOSA	1.31		"	2.49		52.7	25-150				
Surrogate: M3HFPO-DA	10.7		"	9.94		108	25-150				
Surrogate: d9-N-EtFOSE	8.67		"	24.9		34.9	25-150				
Surrogate: d7-N-MeFOSE	11.4		"	24.9		46.0	25-150				
LCS (BH30145-BS1)	LCS										Prepared: 08/03/2023 Analyzed: 08/08/2023
Perfluorobutanesulfonic acid (PFBS)	4.74	0.175	ug/kg wet	3.50		135	50-150				
Perfluorohexanoic acid (PFHxA)	4.95	0.198	"	3.95		125	50-150				
Perfluoroheptanoic acid (PFHpA)	5.16	0.198	"	3.95		130	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.81	0.181	"	3.62		133	50-150				
Perfluorooctanoic acid (PFOA)	4.89	0.198	"	3.95		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	5.10	0.184	"	3.68		139	50-150				
Perfluorononanoic acid (PFNA)	5.68	0.198	"	3.95		144	50-150				
Perfluorodecanoic acid (PFDA)	5.18	0.198	"	3.95		131	50-150				
Perfluoroundecanoic acid (PFUnA)	6.30	0.198	"	3.95		159	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	5.60	0.198	"	3.95		142	50-150				
Perfluorotridecanoic acid (PFTriDA)	5.82	0.198	"	3.95		147	50-150				
Perfluorotetradecanoic acid (PFTA)	4.94	0.198	"	3.95		125	50-150				
N-MeFOSAA	5.39	0.198	"	3.95		136	50-150				
N-EtFOSAA	5.16	0.198	"	3.95		130	50-150				
Perfluoropentanoic acid (PFPeA)	10.9	0.395	"	7.91		137	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.63	0.198	"	3.95		142	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.47	0.198	"	3.77		145	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.33	0.191	"	3.81		140	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	19.7	0.751	"	15.0		131	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	23.0	0.759	"	15.2		152	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	8.71	0.791	"	15.8		55.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.22	0.352	"	7.04		131	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.23	0.395	"	7.91		104	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.19	0.395	"	7.91		15.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	33.9	0.395	"	7.91		429	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	6.09	0.186	"	3.72		164	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	19.2	0.741	"	14.8		130	50-150				
HFPO-DA (Gen-X)	8.81	0.791	"	7.91		111	50-150				
11CL-PF3OUdS	3.61	0.747	"	7.47		48.3	50-150	Low Bias			
9CL-PF3ONS	3.53	0.739	"	7.39		47.8	50-150	Low Bias			
ADONA	6.70	0.747	"	7.47		89.7	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

LCS (BH30145-BS1)	LCS	Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorododecanesulfonic acid (PFDoS)	4.50	0.192	ug/kg wet	3.83		117	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.52	0.190	"	3.79		146	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	14.1	0.988	"	15.8		89.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	102	4.94	"	79.1		129	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	55.5	4.94	"	79.1		70.2	50-150				
N-MeFOSE	58.2	1.98	"	39.5		147	50-150				
N-MeFOSA	6.16	0.198	"	3.95		156	50-150	High Bias			
N-EtFOSE	54.2	1.98	"	39.5		137	50-150				
N-EtFOSA	5.07	0.198	"	3.95		128	50-150				
Surrogate: M3PFBS	2.00		"	2.30		86.8	25-150				
Surrogate: M5PFHxA	2.52		"	2.47		102	25-150				
Surrogate: M4PFHpA	1.53		"	2.47		61.9	25-150				
Surrogate: M3PFHxS	1.38		"	2.34		58.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.50		"	2.47		60.7	25-150				
Surrogate: M6PFDA	0.572		"	1.24		46.3	25-150				
Surrogate: M7PFUdA	0.486		"	1.24		39.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.454		"	1.24		36.7	25-150				
Surrogate: M2PFTeDA	0.437		"	1.24		35.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0852		"	9.88		0.862	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.09		"	2.37		46.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.395		"	4.94		8.00	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.18		"	2.47		47.9	10-150				
Surrogate: d3-N-MeFOSAA	1.92		"	4.94		38.8	25-150				
Surrogate: d5-N-EtFOSAA	1.95		"	4.94		39.4	25-150				
Surrogate: M2-6:2 FTS	1.91		"	4.70		40.7	25-200				
Surrogate: M2-8:2 FTS	2.02		"	4.74		42.7	25-200				
Surrogate: M9PFNA	0.574		"	1.24		46.5	25-150				
Surrogate: M2-4:2 FTS	2.90		"	4.63		62.6	25-150				
Surrogate: d-N-MeFOSA	1.06		"	2.47		42.8	25-150				
Surrogate: d-N-EtFOSA	1.13		"	2.47		45.6	25-150				
Surrogate: M3HFPO-DA	11.2		"	9.88		113	25-150				
Surrogate: d9-N-EtFOSE	8.73		"	24.7		35.3	25-150				
Surrogate: d7-N-MeFOSE	10.1		"	24.7		41.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30145 - EPA 1633 Prep											
LCS (BH30145-BS2)	LCS						Prepared: 08/03/2023 Analyzed: 08/08/2023				
Perfluorobutanesulfonic acid (PFBS)	0.701	0.174	ug/kg wet	0.697		101	50-150				
Perfluorohexanoic acid (PFHxA)	0.705	0.197	"	0.787		89.5	50-150				
Perfluoroheptanoic acid (PFHpA)	0.721	0.197	"	0.787		91.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.511	0.180	"	0.720		70.9	50-150				
Perfluorooctanoic acid (PFOA)	0.729	0.197	"	0.787		92.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.516	0.183	"	0.732		70.5	50-150				
Perfluorononanoic acid (PFNA)	0.777	0.197	"	0.787		98.6	50-150				
Perfluorodecanoic acid (PFDA)	0.613	0.197	"	0.787		77.9	50-150				
Perfluoroundecanoic acid (PFUnA)	0.724	0.197	"	0.787		91.9	50-150				
Perfluorododecanoic acid (PFDoA)	0.759	0.197	"	0.787		96.4	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.756	0.197	"	0.787		96.0	50-150				
Perfluorotetradecanoic acid (PFTA)	0.728	0.197	"	0.787		92.4	50-150				
N-MeFOSAA	0.674	0.197	"	0.787		85.6	50-150				
N-EtFOSAA	0.692	0.197	"	0.787		87.8	50-150				
Perfluoropentanoic acid (PFPeA)	1.48	0.394	"	1.57		93.7	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.831	0.197	"	0.787		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.840	0.197	"	0.752		112	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.672	0.190	"	0.760		88.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.15	0.748	"	2.99		105	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	3.20	0.756	"	3.02		106	50-150				
Perfluoro-n-butanoic acid (PFBA)	1.02	0.787	"	3.15		32.4	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	1.29	0.350	"	1.40		92.4	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.05	0.394	"	1.57		66.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.170	0.394	"	1.57		10.8	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	4.88	0.394	"	1.57		310	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	0.769	0.185	"	0.740		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	2.82	0.738	"	2.95		95.5	50-150				
HFPO-DA (Gen-X)	1.30	0.787	"	1.57		82.4	50-150				
11CL-PF3OUdS	0.597	0.744	"	1.49		40.1	50-150	Low Bias			
9CL-PF3ONS	0.634	0.736	"	1.47		43.1	50-150	Low Bias			
ADONA	1.15	0.744	"	1.49		77.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.643	0.191	"	0.764		84.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.758	0.189	"	0.756		100	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1.84	0.984	"	3.15		58.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	15.3	4.92	"	15.7		97.4	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	9.84	4.92	"	15.7		62.5	50-150				
N-MeFOSE	6.56	1.97	"	7.87		83.4	50-150				
N-MeFOSA	0.826	0.197	"	0.787		105	50-150				
N-EtFOSE	6.03	1.97	"	7.87		76.6	50-150				
N-EtFOSA	0.721	0.197	"	0.787		91.6	50-150				
Surrogate: M3PFBS	2.01		"	2.29		87.6	25-150				
Surrogate: M5PFHxA	2.31		"	2.46		93.9	25-150				
Surrogate: M4PFHpA	2.03		"	2.46		82.4	25-150				
Surrogate: M3PFHxS	1.80		"	2.33		77.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.67		"	2.46		67.9	25-150				
Surrogate: M6PFDA	0.697		"	1.23		56.6	25-150				
Surrogate: M7PFUdA	0.663		"	1.23		53.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.583		"	1.23		47.3	25-150				
Surrogate: M2PFTeDA	0.480		"	1.23		39.0	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BH30145 - EPA 1633 Prep

LCS (BH30145-BS2)	LCS	Prepared: 08/03/2023 Analyzed: 08/08/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0696		ug/kg wet	9.84		0.707	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.27		"	2.36		53.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.247		"	4.92		5.01	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.35		"	2.46		55.0	10-150				
Surrogate: d3-N-MeFOSAA	1.84		"	4.92		37.4	25-150				
Surrogate: d5-N-EtFOSAA	2.29		"	4.92		46.4	25-150				
Surrogate: M2-6:2 FTS	2.32		"	4.68		49.5	25-200				
Surrogate: M2-8:2 FTS	1.48		"	4.72		31.3	25-200				
Surrogate: M9PFNA	0.688		"	1.23		55.9	25-150				
Surrogate: M2-4:2 FTS	3.39		"	4.62		73.5	25-150				
Surrogate: d-N-MeFOSA	1.13		"	2.46		46.0	25-150				
Surrogate: d-N-EtFOSA	1.07		"	2.46		43.7	25-150				
Surrogate: M3HFPO-DA	9.81		"	9.84		99.7	25-150				
Surrogate: d9-N-EtFOSE	10.4		"	24.6		42.1	25-150				
Surrogate: d7-N-MeFOSE	12.3		"	24.6		50.0	25-150				

Duplicate (BH30145-DUP1)	Duplicate	*Source sample: 23G1244-09 (Duplicate) Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.197	ug/kg dry		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	0.222	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	0.222	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.204	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	0.222	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.207	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	0.222	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	0.222	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	0.222	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	0.222	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	0.222	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	0.222	"		ND					30	
N-MeFOSAA	ND	0.222	"		ND					30	
N-EtFOSAA	ND	0.222	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	0.445	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.222	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.222	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.215	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.845	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.854	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	0.890	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.396	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.445	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.445	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.445	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.209	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	0.834	"		ND					30	
HFPO-DA (Gen-X)	ND	0.890	"		ND					30	
11CL-PF3OUdS	ND	0.841	"		ND					30	
9CL-PF3ONS	ND	0.832	"		ND					30	
ADONA	ND	0.841	"		ND					30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

Duplicate (BH30145-DUP1)	Duplicate	*Source sample: 23G1244-09 (Duplicate)				Prepared: 08/03/2023 Analyzed: 08/08/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.216	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.214	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.11	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.56	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.56	"	ND						30	
N-MeFOSE	ND	2.22	"	ND						30	
N-MeFOSA	ND	0.222	"	ND						30	
N-EtFOSE	ND	2.22	"	ND						30	
N-EtFOSA	ND	0.222	"	ND						30	
Surrogate: M3PFBS	2.54		"	2.59		97.9	25-150				
Surrogate: M5PFHxA	2.93		"	2.78		106	25-150				
Surrogate: M4PFHpA	2.61		"	2.78		94.0	25-150				
Surrogate: M3PFHxS	2.74		"	2.64		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.53		"	2.78		90.8	25-150				
Surrogate: M6PFDA	1.14		"	1.39		81.7	25-150				
Surrogate: M7PFUdA	1.25		"	1.39		90.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.18		"	1.39		84.8	25-150				
Surrogate: M2PFTeDA	0.744		"	1.39		53.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0994		"	11.1		0.894	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.89		"	2.66		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.360		"	5.56		6.47	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.77		"	2.78		99.7	10-150				
Surrogate: d3-N-MeFOSAA	5.75		"	5.56		103	25-150				
Surrogate: d5-N-EtFOSAA	7.05		"	5.56		127	25-150				
Surrogate: M2-6:2 FTS	3.96		"	5.29		74.9	25-200				
Surrogate: M2-8:2 FTS	4.03		"	5.34		75.6	25-200				
Surrogate: M9PFNA	1.17		"	1.39		84.0	25-150				
Surrogate: M2-4:2 FTS	3.97		"	5.22		76.0	25-150				
Surrogate: d-N-MeFOSA	1.36		"	2.78		48.9	25-150				
Surrogate: d-N-EtFOSA	0.774		"	2.78		27.8	25-150				
Surrogate: M3HFPO-DA	11.7		"	11.1		106	25-150				
Surrogate: d9-N-EtFOSE	12.2		"	27.8		44.0	25-150				
Surrogate: d7-N-MeFOSE	16.6		"	27.8		59.7	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31028 - EPA SW846-3510C Low Level

Blank (BG31028-BLK1)	Blank		Prepared: 07/19/2023 Analyzed: 07/20/2023								
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	0.112		"	0.200		55.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0982		"	0.200		49.1	30-150				

LCS (BG31028-BS1)	LCS		Prepared: 07/19/2023 Analyzed: 07/20/2023								
4,4'-DDD	0.0560	0.00400	ug/L	0.100		56.0	40-140				
4,4'-DDE	0.0483	0.00400	"	0.100		48.3	40-140				
4,4'-DDT	0.0664	0.00400	"	0.100		66.4	40-140				
Aldrin	0.0407	0.00400	"	0.100		40.7	40-140				
alpha-BHC	0.0506	0.00400	"	0.100		50.6	40-140				
alpha-Chlordane	0.0460	0.00400	"	0.100		46.0	40-140				
beta-BHC	0.0570	0.00400	"	0.100		57.0	40-140				
delta-BHC	0.0562	0.00400	"	0.100		56.2	40-140				
Dieldrin	0.0526	0.00200	"	0.100		52.6	40-140				
Endosulfan I	0.0491	0.00400	"	0.100		49.1	40-140				
Endosulfan II	0.0553	0.00400	"	0.100		55.3	40-140				
Endosulfan sulfate	0.0590	0.00400	"	0.100		59.0	40-140				
Endrin	0.0576	0.00400	"	0.100		57.6	40-140				
Endrin aldehyde	0.0638	0.0100	"	0.100		63.8	40-140				
Endrin ketone	0.0604	0.0100	"	0.100		60.4	40-140				
gamma-BHC (Lindane)	0.0500	0.00400	"	0.100		50.0	40-140				
gamma-Chlordane	0.0478	0.0100	"	0.100		47.8	40-140				
Heptachlor	0.0566	0.00400	"	0.100		56.6	40-140				
Heptachlor epoxide	0.0531	0.00400	"	0.100		53.1	40-140				
Methoxychlor	0.0730	0.00400	"	0.100		73.0	40-140				
Surrogate: Decachlorobiphenyl	0.103		"	0.200		51.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0809		"	0.200		40.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31174 - EPA 3550C

Blank (BG31174-BLK1)	Blank		Prepared: 07/21/2023 Analyzed: 07/25/2023								
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	0.0876		"	0.0664		132	30-150				
Surrogate: Tetrachloro-m-xylene	0.0516		"	0.0664		77.6	30-150				

LCS (BG31174-BS1)	LCS		Prepared: 07/21/2023 Analyzed: 07/25/2023								
4,4'-DDD	0.0347	0.00164	mg/kg wet	0.0332		104	40-140				
4,4'-DDE	0.0335	0.00164	"	0.0332		101	40-140				
4,4'-DDT	0.0286	0.00164	"	0.0332		86.0	40-140				
Aldrin	0.0358	0.00164	"	0.0332		108	40-140				
alpha-BHC	0.0348	0.00164	"	0.0332		105	40-140				
alpha-Chlordane	0.0325	0.00164	"	0.0332		97.9	40-140				
beta-BHC	0.0377	0.00164	"	0.0332		114	40-140				
delta-BHC	0.0317	0.00164	"	0.0332		95.4	40-140				
Dieldrin	0.0338	0.00164	"	0.0332		102	40-140				
Endosulfan I	0.0339	0.00164	"	0.0332		102	40-140				
Endosulfan II	0.0347	0.00164	"	0.0332		104	40-140				
Endosulfan sulfate	0.0355	0.00164	"	0.0332		107	40-140				
Endrin	0.0349	0.00164	"	0.0332		105	40-140				
Endrin aldehyde	0.0355	0.00164	"	0.0332		107	40-140				
Endrin ketone	0.0347	0.00164	"	0.0332		104	40-140				
gamma-BHC (Lindane)	0.0323	0.00164	"	0.0332		97.3	40-140				
gamma-Chlordane	0.0326	0.00164	"	0.0332		98.2	40-140				
Heptachlor	0.0338	0.00164	"	0.0332		102	40-140				
Heptachlor epoxide	0.0376	0.00164	"	0.0332		113	40-140				
Methoxychlor	0.0372	0.00164	"	0.0332		112	40-140				
Surrogate: Decachlorobiphenyl	0.0748		"	0.0664		113	30-150				
Surrogate: Tetrachloro-m-xylene	0.0498		"	0.0664		75.0	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31174 - EPA 3550C

Matrix Spike (BG31174-MS1)	Matrix Spike	*Source sample: 23G0882-04 (Matrix Spike)						Prepared: 07/21/2023 Analyzed: 07/24/2023			
4,4'-DDD	0.0284	0.00169	mg/kg dry	0.0342	ND	82.9	30-150				
4,4'-DDE	0.0244	0.00169	"	0.0342	ND	71.3	30-150				
4,4'-DDT	0.0260	0.00169	"	0.0342	ND	76.2	30-150				
Aldrin	0.0251	0.00169	"	0.0342	ND	73.3	30-150				
alpha-BHC	0.0257	0.00169	"	0.0342	ND	75.2	30-150				
alpha-Chlordane	0.0249	0.00169	"	0.0342	ND	72.9	30-150				
beta-BHC	0.0229	0.00169	"	0.0342	ND	67.1	30-150				
delta-BHC	0.0239	0.00169	"	0.0342	ND	69.8	30-150				
Dieldrin	0.0265	0.00169	"	0.0342	ND	77.5	30-150				
Endosulfan I	0.0278	0.00169	"	0.0342	ND	81.4	30-150				
Endosulfan II	0.0279	0.00169	"	0.0342	ND	81.6	30-150				
Endosulfan sulfate	0.0258	0.00169	"	0.0342	ND	75.4	30-150				
Endrin	0.0255	0.00169	"	0.0342	ND	74.7	30-150				
Endrin aldehyde	0.0284	0.00169	"	0.0342	ND	83.2	30-150				
Endrin ketone	0.0279	0.00169	"	0.0342	ND	81.6	30-150				
gamma-BHC (Lindane)	0.0242	0.00169	"	0.0342	ND	70.7	30-150				
gamma-Chlordane	0.0247	0.00169	"	0.0342	ND	72.3	30-150				
Heptachlor	0.0254	0.00169	"	0.0342	ND	74.1	30-150				
Heptachlor epoxide	0.0268	0.00169	"	0.0342	ND	78.4	30-150				
Methoxychlor	0.0308	0.00169	"	0.0342	ND	90.1	30-150				
Surrogate: Decachlorobiphenyl	0.0586		"	0.0684		85.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0370		"	0.0684		54.1	30-150				

Matrix Spike Dup (BG31174-1)	Matrix Spike Dup	*Source sample: 23G0882-04 (Matrix Spike Dup)						Prepared: 07/21/2023 Analyzed: 07/24/2023			
4,4'-DDD	0.0221	0.00169	mg/kg dry	0.0342	ND	64.5	30-150	25.0	30		
4,4'-DDE	0.0209	0.00169	"	0.0342	ND	61.3	30-150	15.1	30		
4,4'-DDT	0.0201	0.00169	"	0.0342	ND	58.7	30-150	26.0	30		
Aldrin	0.0210	0.00169	"	0.0342	ND	61.4	30-150	17.7	30		
alpha-BHC	0.0211	0.00169	"	0.0342	ND	61.8	30-150	19.5	30		
alpha-Chlordane	0.0204	0.00169	"	0.0342	ND	59.7	30-150	19.9	30		
beta-BHC	0.0219	0.00169	"	0.0342	ND	64.1	30-150	4.57	30		
delta-BHC	0.0198	0.00169	"	0.0342	ND	57.8	30-150	18.8	30		
Dieldrin	0.0214	0.00169	"	0.0342	ND	62.5	30-150	21.4	30		
Endosulfan I	0.0236	0.00169	"	0.0342	ND	69.2	30-150	16.3	30		
Endosulfan II	0.0226	0.00169	"	0.0342	ND	66.0	30-150	21.2	30		
Endosulfan sulfate	0.0211	0.00169	"	0.0342	ND	61.6	30-150	20.1	30		
Endrin	0.0204	0.00169	"	0.0342	ND	59.6	30-150	22.4	30		
Endrin aldehyde	0.0226	0.00169	"	0.0342	ND	66.1	30-150	22.8	30		
Endrin ketone	0.0225	0.00169	"	0.0342	ND	65.9	30-150	21.3	30		
gamma-BHC (Lindane)	0.0202	0.00169	"	0.0342	ND	59.1	30-150	17.9	30		
gamma-Chlordane	0.0202	0.00169	"	0.0342	ND	59.1	30-150	20.2	30		
Heptachlor	0.0208	0.00169	"	0.0342	ND	60.8	30-150	19.7	30		
Heptachlor epoxide	0.0227	0.00169	"	0.0342	ND	66.3	30-150	16.8	30		
Methoxychlor	0.0247	0.00169	"	0.0342	ND	72.3	30-150	22.0	30		
Surrogate: Decachlorobiphenyl	0.0483		"	0.0684		70.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0313		"	0.0684		45.8	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31254 - EPA 3550C

Blank (BG31254-BLK1)	Blank		Prepared: 07/23/2023 Analyzed: 07/24/2023								
4,4'-DDD	ND	0.00165	mg/kg wet								
4,4'-DDE	ND	0.00165	"								
4,4'-DDT	ND	0.00165	"								
Aldrin	ND	0.00165	"								
alpha-BHC	ND	0.00165	"								
alpha-Chlordane	ND	0.00165	"								
beta-BHC	ND	0.00165	"								
delta-BHC	ND	0.00165	"								
Dieldrin	ND	0.00165	"								
Endosulfan I	ND	0.00165	"								
Endosulfan II	ND	0.00165	"								
Endosulfan sulfate	ND	0.00165	"								
Endrin	ND	0.00165	"								
Endrin aldehyde	ND	0.00165	"								
Endrin ketone	ND	0.00165	"								
gamma-BHC (Lindane)	ND	0.00165	"								
gamma-Chlordane	ND	0.00165	"								
Heptachlor	ND	0.00165	"								
Heptachlor epoxide	ND	0.00165	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.165	"								
Chlordane, total	ND	0.0330	"								
Surrogate: Decachlorobiphenyl	0.0825		"	0.0667		124	30-150				
Surrogate: Tetrachloro-m-xylene	0.0550		"	0.0667		82.5	30-150				

LCS (BG31254-BS1)	LCS		Prepared: 07/23/2023 Analyzed: 07/24/2023								
4,4'-DDD	0.0298	0.00165	mg/kg wet	0.0333		89.3	40-140				
4,4'-DDE	0.0299	0.00165	"	0.0333		89.8	40-140				
4,4'-DDT	0.0293	0.00165	"	0.0333		87.9	40-140				
Aldrin	0.0311	0.00165	"	0.0333		93.3	40-140				
alpha-BHC	0.0315	0.00165	"	0.0333		94.6	40-140				
alpha-Chlordane	0.0297	0.00165	"	0.0333		89.2	40-140				
beta-BHC	0.0314	0.00165	"	0.0333		94.2	40-140				
delta-BHC	0.0297	0.00165	"	0.0333		89.1	40-140				
Dieldrin	0.0298	0.00165	"	0.0333		89.3	40-140				
Endosulfan I	0.0297	0.00165	"	0.0333		89.1	40-140				
Endosulfan II	0.0311	0.00165	"	0.0333		93.3	40-140				
Endosulfan sulfate	0.0311	0.00165	"	0.0333		93.2	40-140				
Endrin	0.0288	0.00165	"	0.0333		86.3	40-140				
Endrin aldehyde	0.0318	0.00165	"	0.0333		95.3	40-140				
Endrin ketone	0.0318	0.00165	"	0.0333		95.3	40-140				
gamma-BHC (Lindane)	0.0305	0.00165	"	0.0333		91.5	40-140				
gamma-Chlordane	0.0295	0.00165	"	0.0333		88.5	40-140				
Heptachlor	0.0309	0.00165	"	0.0333		92.6	40-140				
Heptachlor epoxide	0.0306	0.00165	"	0.0333		91.8	40-140				
Methoxychlor	0.0331	0.00165	"	0.0333		99.2	40-140				
Surrogate: Decachlorobiphenyl	0.0742		"	0.0667		111	30-150				
Surrogate: Tetrachloro-m-xylene	0.0494		"	0.0667		74.2	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31254 - EPA 3550C

Matrix Spike (BG31254-MS1)	Matrix Spike	*Source sample: 23G0920-02 (Matrix Spike)						Prepared: 07/23/2023 Analyzed: 07/24/2023			
4,4'-DDD	0.0260	0.00169	mg/kg dry	0.0341	ND	76.2	30-150				
4,4'-DDE	0.0256	0.00169	"	0.0341	ND	75.1	30-150				
4,4'-DDT	0.0261	0.00169	"	0.0341	ND	76.4	30-150				
Aldrin	0.0262	0.00169	"	0.0341	ND	76.7	30-150				
alpha-BHC	0.0280	0.00169	"	0.0341	ND	81.9	30-150				
alpha-Chlordane	0.0256	0.00169	"	0.0341	ND	74.9	30-150				
beta-BHC	0.0319	0.00169	"	0.0341	ND	93.5	30-150				
delta-BHC	0.0246	0.00169	"	0.0341	ND	72.1	30-150				
Dieldrin	0.0261	0.00169	"	0.0341	ND	76.5	30-150				
Endosulfan I	0.0280	0.00169	"	0.0341	ND	82.2	30-150				
Endosulfan II	0.0264	0.00169	"	0.0341	ND	77.4	30-150				
Endosulfan sulfate	0.0243	0.00169	"	0.0341	ND	71.4	30-150				
Endrin	0.0263	0.00169	"	0.0341	ND	77.0	30-150				
Endrin aldehyde	0.0244	0.00169	"	0.0341	ND	71.6	30-150				
Endrin ketone	0.0257	0.00169	"	0.0341	ND	75.3	30-150				
gamma-BHC (Lindane)	0.0258	0.00169	"	0.0341	ND	75.7	30-150				
gamma-Chlordane	0.0250	0.00169	"	0.0341	ND	73.4	30-150				
Heptachlor	0.0291	0.00169	"	0.0341	ND	85.2	30-150				
Heptachlor epoxide	0.0295	0.00169	"	0.0341	ND	86.3	30-150				
Methoxychlor	0.0295	0.00169	"	0.0341	ND	86.6	30-150				
Surrogate: Decachlorobiphenyl	0.0595		"	0.0682		87.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0426		"	0.0682		62.5	30-150				

Matrix Spike Dup (BG31254-1)	Matrix Spike Dup	*Source sample: 23G0920-02 (Matrix Spike Dup)						Prepared: 07/23/2023 Analyzed: 07/24/2023			
4,4'-DDD	0.0258	0.00169	mg/kg dry	0.0341	ND	75.7	30-150	0.717	30		
4,4'-DDE	0.0246	0.00169	"	0.0341	ND	72.2	30-150	3.95	30		
4,4'-DDT	0.0255	0.00169	"	0.0341	ND	74.8	30-150	2.19	30		
Aldrin	0.0245	0.00169	"	0.0341	ND	71.7	30-150	6.74	30		
alpha-BHC	0.0254	0.00169	"	0.0341	ND	74.5	30-150	9.54	30		
alpha-Chlordane	0.0246	0.00169	"	0.0341	ND	72.0	30-150	3.89	30		
beta-BHC	0.0240	0.00169	"	0.0341	ND	70.3	30-150	28.4	30		
delta-BHC	0.0230	0.00169	"	0.0341	ND	67.5	30-150	6.63	30		
Dieldrin	0.0250	0.00169	"	0.0341	ND	73.4	30-150	4.24	30		
Endosulfan I	0.0254	0.00169	"	0.0341	ND	74.4	30-150	10.0	30		
Endosulfan II	0.0262	0.00169	"	0.0341	ND	76.9	30-150	0.635	30		
Endosulfan sulfate	0.0247	0.00169	"	0.0341	ND	72.3	30-150	1.36	30		
Endrin	0.0259	0.00169	"	0.0341	ND	75.8	30-150	1.56	30		
Endrin aldehyde	0.0243	0.00169	"	0.0341	ND	71.2	30-150	0.609	30		
Endrin ketone	0.0267	0.00169	"	0.0341	ND	78.1	30-150	3.70	30		
gamma-BHC (Lindane)	0.0245	0.00169	"	0.0341	ND	71.8	30-150	5.41	30		
gamma-Chlordane	0.0243	0.00169	"	0.0341	ND	71.1	30-150	3.13	30		
Heptachlor	0.0257	0.00169	"	0.0341	ND	75.3	30-150	12.4	30		
Heptachlor epoxide	0.0263	0.00169	"	0.0341	ND	77.2	30-150	11.2	30		
Methoxychlor	0.0296	0.00169	"	0.0341	ND	86.7	30-150	0.156	30		
Surrogate: Decachlorobiphenyl	0.0602		"	0.0682		88.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0391		"	0.0682		57.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31316 - EPA 3550C

Blank (BG31316-BLK1)	Blank		Prepared & Analyzed: 07/25/2023								
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	0.0484		"	0.0664		72.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0491		"	0.0664		73.8	30-150				

LCS (BG31316-BS1)	LCS		Prepared & Analyzed: 07/25/2023								
4,4'-DDD	0.0239	0.00164	mg/kg wet	0.0332		71.8	40-140				
4,4'-DDE	0.0215	0.00164	"	0.0332		64.7	40-140				
4,4'-DDT	0.0186	0.00164	"	0.0332		56.0	40-140				
Aldrin	0.0221	0.00164	"	0.0332		66.4	40-140				
alpha-BHC	0.0232	0.00164	"	0.0332		69.7	40-140				
alpha-Chlordane	0.0223	0.00164	"	0.0332		67.0	40-140				
beta-BHC	0.0213	0.00164	"	0.0332		64.1	40-140				
delta-BHC	0.0195	0.00164	"	0.0332		58.8	40-140				
Dieldrin	0.0222	0.00164	"	0.0332		66.8	40-140				
Endosulfan I	0.0230	0.00164	"	0.0332		69.3	40-140				
Endosulfan II	0.0230	0.00164	"	0.0332		69.1	40-140				
Endosulfan sulfate	0.0207	0.00164	"	0.0332		62.2	40-140				
Endrin	0.0228	0.00164	"	0.0332		68.6	40-140				
Endrin aldehyde	0.0219	0.00164	"	0.0332		65.9	40-140				
Endrin ketone	0.0203	0.00164	"	0.0332		61.0	40-140				
gamma-BHC (Lindane)	0.0222	0.00164	"	0.0332		66.8	40-140				
gamma-Chlordane	0.0221	0.00164	"	0.0332		66.7	40-140				
Heptachlor	0.0218	0.00164	"	0.0332		65.6	40-140				
Heptachlor epoxide	0.0235	0.00164	"	0.0332		70.8	40-140				
Methoxychlor	0.0220	0.00164	"	0.0332		66.2	40-140				
Surrogate: Decachlorobiphenyl	0.0482		"	0.0664		72.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0486		"	0.0664		73.2	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31316 - EPA 3550C

Matrix Spike (BG31316-MS1)	Matrix Spike	*Source sample: 23G0963-09 (SB03_3-5)						Prepared & Analyzed: 07/25/2023			
4,4'-DDD	0.0417	0.00218	mg/kg dry	0.0440	ND	94.8	30-150				
4,4'-DDE	0.0359	0.00218	"	0.0440	ND	81.8	30-150				
4,4'-DDT	0.0377	0.00218	"	0.0440	ND	85.8	30-150				
Aldrin	0.0417	0.00218	"	0.0440	ND	95.0	30-150				
alpha-BHC	0.0437	0.00218	"	0.0440	ND	99.4	30-150				
alpha-Chlordane	0.0400	0.00218	"	0.0440	ND	91.1	30-150				
beta-BHC	0.0367	0.00218	"	0.0440	ND	83.5	30-150				
delta-BHC	0.0374	0.00218	"	0.0440	ND	85.1	30-150				
Dieldrin	0.0441	0.00218	"	0.0440	ND	100	30-150				
Endosulfan I	0.0446	0.00218	"	0.0440	ND	101	30-150				
Endosulfan II	0.0421	0.00218	"	0.0440	ND	95.7	30-150				
Endosulfan sulfate	0.0358	0.00218	"	0.0440	ND	81.4	30-150				
Endrin	0.0427	0.00218	"	0.0440	ND	97.2	30-150				
Endrin aldehyde	0.0399	0.00218	"	0.0440	ND	90.8	30-150				
Endrin ketone	0.0412	0.00218	"	0.0440	ND	93.8	30-150				
gamma-BHC (Lindane)	0.0413	0.00218	"	0.0440	ND	94.0	30-150				
gamma-Chlordane	0.0376	0.00218	"	0.0440	ND	85.5	30-150				
Heptachlor	0.0430	0.00218	"	0.0440	ND	97.8	30-150				
Heptachlor epoxide	0.0434	0.00218	"	0.0440	ND	98.8	30-150				
Methoxychlor	0.0446	0.00218	"	0.0440	ND	102	30-150				
Surrogate: Decachlorobiphenyl	0.0862		"	0.0879		98.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0855		"	0.0879		97.2	30-150				

Matrix Spike Dup (BG31316-1)	Matrix Spike Dup	*Source sample: 23G0963-09 (SB03_3-5)						Prepared & Analyzed: 07/25/2023			
4,4'-DDD	0.0391	0.00218	mg/kg dry	0.0440	ND	89.0	30-150	6.24	30		
4,4'-DDE	0.0341	0.00218	"	0.0440	ND	77.7	30-150	5.17	30		
4,4'-DDT	0.0360	0.00218	"	0.0440	ND	81.9	30-150	4.72	30		
Aldrin	0.0377	0.00218	"	0.0440	ND	85.7	30-150	10.3	30		
alpha-BHC	0.0378	0.00218	"	0.0440	ND	85.9	30-150	14.5	30		
alpha-Chlordane	0.0374	0.00218	"	0.0440	ND	85.0	30-150	6.93	30		
beta-BHC	0.0311	0.00218	"	0.0440	ND	70.8	30-150	16.4	30		
delta-BHC	0.0343	0.00218	"	0.0440	ND	78.0	30-150	8.63	30		
Dieldrin	0.0388	0.00218	"	0.0440	ND	88.2	30-150	12.8	30		
Endosulfan I	0.0399	0.00218	"	0.0440	ND	90.7	30-150	11.2	30		
Endosulfan II	0.0382	0.00218	"	0.0440	ND	86.8	30-150	9.75	30		
Endosulfan sulfate	0.0347	0.00218	"	0.0440	ND	78.9	30-150	3.24	30		
Endrin	0.0387	0.00218	"	0.0440	ND	88.0	30-150	9.94	30		
Endrin aldehyde	0.0369	0.00218	"	0.0440	ND	84.0	30-150	7.83	30		
Endrin ketone	0.0384	0.00218	"	0.0440	ND	87.4	30-150	7.12	30		
gamma-BHC (Lindane)	0.0371	0.00218	"	0.0440	ND	84.3	30-150	10.9	30		
gamma-Chlordane	0.0359	0.00218	"	0.0440	ND	81.7	30-150	4.47	30		
Heptachlor	0.0375	0.00218	"	0.0440	ND	85.4	30-150	13.5	30		
Heptachlor epoxide	0.0405	0.00218	"	0.0440	ND	92.0	30-150	7.05	30		
Methoxychlor	0.0408	0.00218	"	0.0440	ND	92.7	30-150	9.04	30		
Surrogate: Decachlorobiphenyl	0.0852		"	0.0879		96.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0764		"	0.0879		86.9	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31794 - EPA 3550C

Blank (BG31794-BLK1)	Blank										Prepared: 08/01/2023 Analyzed: 08/03/2023
4,4'-DDD	ND	0.00162	mg/kg wet								
4,4'-DDE	ND	0.00162	"								
4,4'-DDT	ND	0.00162	"								
Aldrin	ND	0.00162	"								
alpha-BHC	ND	0.00162	"								
alpha-Chlordane	ND	0.00162	"								
beta-BHC	ND	0.00162	"								
delta-BHC	ND	0.00162	"								
Dieldrin	ND	0.00162	"								
Endosulfan I	ND	0.00162	"								
Endosulfan II	ND	0.00162	"								
Endosulfan sulfate	ND	0.00162	"								
Endrin	ND	0.00162	"								
Endrin aldehyde	ND	0.00162	"								
Endrin ketone	ND	0.00162	"								
gamma-BHC (Lindane)	ND	0.00162	"								
gamma-Chlordane	ND	0.00162	"								
Heptachlor	ND	0.00162	"								
Heptachlor epoxide	ND	0.00162	"								
Methoxychlor	ND	0.00162	"								
Toxaphene	ND	0.162	"								
Chlordane, total	ND	0.0324	"								
Surrogate: Decachlorobiphenyl	0.0987		"	0.0654		151	30-150				
Surrogate: Tetrachloro-m-xylene	0.0600		"	0.0654		91.8	30-150				

LCS (BG31794-BS1)	LCS										Prepared: 08/01/2023 Analyzed: 08/03/2023
4,4'-DDD	0.0405	0.00164	mg/kg wet	0.0331		122	40-140				
4,4'-DDE	0.0388	0.00164	"	0.0331		117	40-140				
4,4'-DDT	0.0396	0.00164	"	0.0331		120	40-140				
Aldrin	0.0350	0.00164	"	0.0331		106	40-140				
alpha-BHC	0.0347	0.00164	"	0.0331		105	40-140				
alpha-Chlordane	0.0373	0.00164	"	0.0331		113	40-140				
beta-BHC	0.0345	0.00164	"	0.0331		104	40-140				
delta-BHC	0.0346	0.00164	"	0.0331		104	40-140				
Dieldrin	0.0373	0.00164	"	0.0331		113	40-140				
Endosulfan I	0.0376	0.00164	"	0.0331		114	40-140				
Endosulfan II	0.0389	0.00164	"	0.0331		118	40-140				
Endosulfan sulfate	0.0397	0.00164	"	0.0331		120	40-140				
Endrin	0.0371	0.00164	"	0.0331		112	40-140				
Endrin aldehyde	0.0385	0.00164	"	0.0331		116	40-140				
Endrin ketone	0.0413	0.00164	"	0.0331		125	40-140				
gamma-BHC (Lindane)	0.0350	0.00164	"	0.0331		106	40-140				
gamma-Chlordane	0.0367	0.00164	"	0.0331		111	40-140				
Heptachlor	0.0352	0.00164	"	0.0331		106	40-140				
Heptachlor epoxide	0.0367	0.00164	"	0.0331		111	40-140				
Methoxychlor	0.0455	0.00164	"	0.0331		137	40-140				
Surrogate: Decachlorobiphenyl	0.0959		"	0.0662		145	30-150				
Surrogate: Tetrachloro-m-xylene	0.0559		"	0.0662		84.4	30-150				





Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31794 - EPA 3550C

Matrix Spike (BG31794-MS1)	Matrix Spike	*Source sample: 23G1399-07 (Matrix Spike)						Prepared: 08/01/2023 Analyzed: 08/03/2023			
4,4'-DDD	0.0310	0.00176	mg/kg dry	0.0356	ND	87.0	30-150				
4,4'-DDE	0.0289	0.00176	"	0.0356	ND	81.1	30-150				
4,4'-DDT	0.0264	0.00176	"	0.0356	ND	74.1	30-150				
Aldrin	0.0273	0.00176	"	0.0356	ND	76.8	30-150				
alpha-BHC	0.0306	0.00176	"	0.0356	ND	85.8	30-150				
alpha-Chlordane	0.0289	0.00176	"	0.0356	ND	81.2	30-150				
beta-BHC	0.0307	0.00176	"	0.0356	ND	86.1	30-150				
delta-BHC	0.0297	0.00176	"	0.0356	ND	83.4	30-150				
Dieldrin	0.0296	0.00176	"	0.0356	ND	83.1	30-150				
Endosulfan I	0.0305	0.00176	"	0.0356	ND	85.6	30-150				
Endosulfan II	0.0316	0.00176	"	0.0356	ND	88.8	30-150				
Endosulfan sulfate	0.0328	0.00176	"	0.0356	ND	92.0	30-150				
Endrin	0.0283	0.00176	"	0.0356	ND	79.6	30-150				
Endrin aldehyde	0.0314	0.00176	"	0.0356	ND	88.3	30-150				
Endrin ketone	0.0346	0.00176	"	0.0356	ND	97.2	30-150				
gamma-BHC (Lindane)	0.0309	0.00176	"	0.0356	ND	86.7	30-150				
gamma-Chlordane	0.0283	0.00176	"	0.0356	ND	79.6	30-150				
Heptachlor	0.0272	0.00176	"	0.0356	ND	76.4	30-150				
Heptachlor epoxide	0.0301	0.00176	"	0.0356	ND	84.4	30-150				
Methoxychlor	0.0318	0.00176	"	0.0356	ND	89.2	30-150				
Surrogate: Decachlorobiphenyl	0.0692		"	0.0712		97.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0433		"	0.0712		60.8	30-150				

Matrix Spike Dup (BG31794-1)	Matrix Spike Dup	*Source sample: 23G1399-07 (Matrix Spike Dup)						Prepared: 08/01/2023 Analyzed: 08/03/2023			
4,4'-DDD	0.0326	0.00177	mg/kg dry	0.0359	ND	90.9	30-150	5.10	30		
4,4'-DDE	0.0302	0.00177	"	0.0359	ND	84.2	30-150	4.40	30		
4,4'-DDT	0.0273	0.00177	"	0.0359	ND	76.2	30-150	3.54	30		
Aldrin	0.0289	0.00177	"	0.0359	ND	80.5	30-150	5.39	30		
alpha-BHC	0.0326	0.00177	"	0.0359	ND	91.0	30-150	6.57	30		
alpha-Chlordane	0.0306	0.00177	"	0.0359	ND	85.3	30-150	5.65	30		
beta-BHC	0.0326	0.00177	"	0.0359	ND	90.9	30-150	6.09	30		
delta-BHC	0.0317	0.00177	"	0.0359	ND	88.4	30-150	6.48	30		
Dieldrin	0.0314	0.00177	"	0.0359	ND	87.6	30-150	5.92	30		
Endosulfan I	0.0324	0.00177	"	0.0359	ND	90.3	30-150	6.10	30		
Endosulfan II	0.0336	0.00177	"	0.0359	ND	93.6	30-150	5.95	30		
Endosulfan sulfate	0.0346	0.00177	"	0.0359	ND	96.4	30-150	5.39	30		
Endrin	0.0300	0.00177	"	0.0359	ND	83.7	30-150	5.74	30		
Endrin aldehyde	0.0338	0.00177	"	0.0359	ND	94.3	30-150	7.22	30		
Endrin ketone	0.0367	0.00177	"	0.0359	ND	102	30-150	5.76	30		
gamma-BHC (Lindane)	0.0329	0.00177	"	0.0359	ND	91.8	30-150	6.39	30		
gamma-Chlordane	0.0299	0.00177	"	0.0359	ND	83.5	30-150	5.44	30		
Heptachlor	0.0288	0.00177	"	0.0359	ND	80.3	30-150	5.68	30		
Heptachlor epoxide	0.0319	0.00177	"	0.0359	ND	89.1	30-150	6.05	30		
Methoxychlor	0.0330	0.00177	"	0.0359	ND	92.2	30-150	3.87	30		
Surrogate: Decachlorobiphenyl	0.0800		"	0.0717		112	30-150				
Surrogate: Tetrachloro-m-xylene	0.0507		"	0.0717		70.8	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31028 - EPA SW846-3510C Low Level

Blank (BG31028-BLK2)	Blank		Prepared & Analyzed: 07/19/2023								
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	0.127		"	0.200		63.5	30-120				
Surrogate: Decachlorobiphenyl	0.0950		"	0.200		47.5	30-120				

LCS (BG31028-BS2)	LCS		Prepared & Analyzed: 07/19/2023								
Aroclor 1016	0.679	0.0500	ug/L	1.00		67.9	40-120				
Aroclor 1260	0.620	0.0500	"	1.00		62.0	40-120				
Surrogate: Tetrachloro-m-xylene	0.107		"	0.200		53.5	30-120				
Surrogate: Decachlorobiphenyl	0.0790		"	0.200		39.5	30-120				

LCS Dup (BG31028-BSD2)	LCS Dup		Prepared & Analyzed: 07/19/2023								
Aroclor 1016	0.634	0.0500	ug/L	1.00		63.4	40-120		6.78	30	
Aroclor 1260	0.579	0.0500	"	1.00		57.9	40-120		6.71	30	
Surrogate: Tetrachloro-m-xylene	0.100		"	0.200		50.0	30-120				
Surrogate: Decachlorobiphenyl	0.0690		"	0.200		34.5	30-120				

Batch BG31174 - EPA 3550C

Blank (BG31174-BLK1)	Blank		Prepared: 07/21/2023 Analyzed: 07/22/2023								
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	0.0628		"	0.0664		94.5	30-120				
Surrogate: Decachlorobiphenyl	0.0458		"	0.0664		69.0	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31174 - EPA 3550C											
Blank (BG31174-BLK2)	Blank							Prepared: 07/21/2023 Analyzed: 07/22/2023			
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	0.0628		"	0.0664		94.5	30-120				
Surrogate: Decachlorobiphenyl	0.0458		"	0.0664		69.0	30-120				
LCS (BG31174-BS2)	LCS							Prepared: 07/21/2023 Analyzed: 07/22/2023			
Aroclor 1016	0.301	0.0166	mg/kg wet	0.332		90.7	40-130				
Aroclor 1260	0.302	0.0166	"	0.332		90.9	40-130				
Surrogate: Tetrachloro-m-xylene	0.0555		"	0.0664		83.5	30-120				
Surrogate: Decachlorobiphenyl	0.0525		"	0.0664		79.0	30-120				
Matrix Spike (BG31174-MS2)	Matrix Spike	*Source sample: 23G0882-04 (Matrix Spike)						Prepared: 07/21/2023 Analyzed: 07/23/2023			
Aroclor 1016	0.146	0.0171	mg/kg dry	0.342	ND	42.7	40-140				
Aroclor 1260	0.162	0.0171	"	0.342	ND	47.3	40-140				
Surrogate: Tetrachloro-m-xylene	0.0359		"	0.0684		52.5	30-120				
Surrogate: Decachlorobiphenyl	0.0297		"	0.0684		43.5	30-120				
Matrix Spike Dup (BG31174-MS2)	Matrix Spike Dup	*Source sample: 23G0882-04 (Matrix Spike Dup)						Prepared: 07/21/2023 Analyzed: 07/23/2023			
Aroclor 1016	0.198	0.0171	mg/kg dry	0.342	ND	57.8	40-140		30.0	50	
Aroclor 1260	0.202	0.0171	"	0.342	ND	59.0	40-140		22.0	50	
Surrogate: Tetrachloro-m-xylene	0.0458		"	0.0684		67.0	30-120				
Surrogate: Decachlorobiphenyl	0.0328		"	0.0684		48.0	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31254 - EPA 3550C											
Blank (BG31254-BLK2)	Blank							Prepared & Analyzed: 07/23/2023			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	0.0623		"	0.0667		93.5	30-120				
Surrogate: Decachlorobiphenyl	0.0433		"	0.0667		65.0	30-120				
LCS (BG31254-BS2)	LCS							Prepared & Analyzed: 07/23/2023			
Aroclor 1016	0.294	0.0167	mg/kg wet	0.333		88.1	40-130				
Aroclor 1260	0.292	0.0167	"	0.333		87.6	40-130				
Surrogate: Tetrachloro-m-xylene	0.0593		"	0.0667		89.0	30-120				
Surrogate: Decachlorobiphenyl	0.0473		"	0.0667		71.0	30-120				
Matrix Spike (BG31254-MS2)	Matrix Spike	*Source sample: 23G0920-02 (Matrix Spike)						Prepared & Analyzed: 07/23/2023			
Aroclor 1016	0.243	0.0171	mg/kg dry	0.341	ND	71.3	40-140				
Aroclor 1260	0.235	0.0171	"	0.341	ND	68.9	40-140				
Surrogate: Tetrachloro-m-xylene	0.0512		"	0.0682		75.0	30-120				
Surrogate: Decachlorobiphenyl	0.0375		"	0.0682		55.0	30-120				
Matrix Spike Dup (BG31254-MS2)	Matrix Spike Dup	*Source sample: 23G0920-02 (Matrix Spike Dup)						Prepared & Analyzed: 07/23/2023			
Aroclor 1016	0.240	0.0171	mg/kg dry	0.341	ND	70.3	40-140		1.36	50	
Aroclor 1260	0.241	0.0171	"	0.341	ND	70.6	40-140		2.47	50	
Surrogate: Tetrachloro-m-xylene	0.0519		"	0.0682		76.0	30-120				
Surrogate: Decachlorobiphenyl	0.0392		"	0.0682		57.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31316 - EPA 3550C											
Blank (BG31316-BLK2)	Blank							Prepared & Analyzed: 07/25/2023			
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	0.0611		"	0.0664		92.0	30-120				
Surrogate: Decachlorobiphenyl	0.0615		"	0.0664		92.5	30-120				
LCS (BG31316-BS2)	LCS							Prepared & Analyzed: 07/25/2023			
Aroclor 1016	0.289	0.0166	mg/kg wet	0.332		87.1	40-130				
Aroclor 1260	0.281	0.0166	"	0.332		84.5	40-130				
Surrogate: Tetrachloro-m-xylene	0.0618		"	0.0664		93.0	30-120				
Surrogate: Decachlorobiphenyl	0.0645		"	0.0664		97.0	30-120				
Matrix Spike (BG31316-MS2)	Matrix Spike	*Source sample: 23G1348-03 (Matrix Spike)						Prepared: 07/25/2023 Analyzed: 07/26/2023			
Aroclor 1016	0.113	0.0173	mg/kg dry	0.347	ND	32.6	40-140	Low Bias			
Aroclor 1260	0.281	0.0173	"	0.347	ND	81.1	40-140				
Surrogate: Tetrachloro-m-xylene	0.0569		"	0.0694		82.0	30-120				
Surrogate: Decachlorobiphenyl	0.0621		"	0.0694		89.5	30-120				
Matrix Spike Dup (BG31316-MS2)	Matrix Spike Dup	*Source sample: 23G1348-03 (Matrix Spike Dup)						Prepared: 07/25/2023 Analyzed: 07/26/2023			
Aroclor 1016	0.138	0.0173	mg/kg dry	0.347	ND	39.8	40-140	Low Bias	19.8	50	
Aroclor 1260	0.311	0.0173	"	0.347	ND	89.6	40-140		10.0	50	
Surrogate: Tetrachloro-m-xylene	0.0638		"	0.0694		92.0	30-120				
Surrogate: Decachlorobiphenyl	0.0649		"	0.0694		93.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31794 - EPA 3550C											
Blank (BG31794-BLK2)	Blank							Prepared: 08/01/2023 Analyzed: 08/02/2023			
Aroclor 1016	ND	0.0163	mg/kg wet								
Aroclor 1221	ND	0.0163	"								
Aroclor 1232	ND	0.0163	"								
Aroclor 1242	ND	0.0163	"								
Aroclor 1248	ND	0.0163	"								
Aroclor 1254	ND	0.0163	"								
Aroclor 1260	ND	0.0163	"								
Total PCBs	ND	0.0163	"								
Surrogate: Tetrachloro-m-xylene	0.0673		"	0.0654		103	30-120				
Surrogate: Decachlorobiphenyl	0.0497		"	0.0654		76.0	30-120				
LCS (BG31794-BS2)	LCS							Prepared: 08/01/2023 Analyzed: 08/02/2023			
Aroclor 1016	0.286	0.0164	mg/kg wet	0.328		87.3	40-130				
Aroclor 1260	0.305	0.0164	"	0.328		93.1	40-130				
Surrogate: Tetrachloro-m-xylene	0.0564		"	0.0656		86.0	30-120				
Surrogate: Decachlorobiphenyl	0.0446		"	0.0656		68.0	30-120				
Matrix Spike (BG31794-MS2)	Matrix Spike	*Source sample: 23G1399-07 (Matrix Spike)						Prepared: 08/01/2023 Analyzed: 08/03/2023			
Aroclor 1016	0.343	0.0180	mg/kg dry	0.360	ND	95.4	40-140				
Aroclor 1260	0.345	0.0180	"	0.360	ND	95.9	40-140				
Surrogate: Tetrachloro-m-xylene	0.0669		"	0.0719		93.0	30-120				
Surrogate: Decachlorobiphenyl	0.0500		"	0.0719		69.5	30-120				
Matrix Spike Dup (BG31794-MS2)	Matrix Spike Dup	*Source sample: 23G1399-07 (Matrix Spike Dup)						Prepared: 08/01/2023 Analyzed: 08/03/2023			
Aroclor 1016	0.304	0.0179	mg/kg dry	0.359	ND	84.9	40-140		12.0	50	
Aroclor 1260	0.298	0.0179	"	0.359	ND	83.2	40-140		14.6	50	
Surrogate: Tetrachloro-m-xylene	0.0642		"	0.0717		89.5	30-120				
Surrogate: Decachlorobiphenyl	0.0376		"	0.0717		52.5	30-120				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31097 - EPA 3550C/8151A

Blank (BG31097-BLK1)	Blank		Prepared & Analyzed: 07/20/2023								
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.393 " 0.417 94.4 21-150

LCS (BG31097-BS1)	LCS		Prepared & Analyzed: 07/20/2023								
2,4,5-T	0.125	0.0200	mg/kg wet	0.133		93.8	10-120				
2,4,5-TP (Silvex)	0.124	0.0200	"	0.133		93.1	10-120				
2,4-D	0.136	0.0200	"	0.133		102	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.422 " 0.417 101 21-150

Matrix Spike (BG31097-MS1)	Matrix Spike	*Source sample: 23G0971-09 (Matrix Spike)		Prepared & Analyzed: 07/20/2023							
2,4,5-T	0.145	0.0239	mg/kg dry	0.160	ND	90.6	10-120				
2,4,5-TP (Silvex)	0.137	0.0239	"	0.160	ND	85.6	10-120				
2,4-D	0.181	0.0239	"	0.160	ND	113	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.392 " 0.499 78.6 21-150

Matrix Spike Dup (BG31097-1)	Matrix Spike Dup	*Source sample: 23G0971-09 (Matrix Spike Dup)		Prepared & Analyzed: 07/20/2023							
2,4,5-T	0.129	0.0239	mg/kg dry	0.160	ND	80.6	10-120	11.7	35		
2,4,5-TP (Silvex)	0.125	0.0239	"	0.160	ND	78.1	10-120	9.16	35		
2,4-D	0.138	0.0239	"	0.160	ND	86.3	10-118	27.0	35		

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.344 " 0.499 69.0 21-150

Batch BG31288 - EPA 8151A

Blank (BG31288-BLK1)	Blank		Prepared: 07/24/2023 Analyzed: 07/26/2023								
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) 72.8 " 125 58.2 30-150



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31288 - EPA 8151A

LCS (BG31288-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/26/2023									
2,4,5-T	17.5	5.00	ug/L	40.0		43.8	10-140				
2,4,5-TP (Silvex)	17.0	5.00	"	40.0		42.5	10-139				
2,4-D	19.8	5.00	"	40.0		49.4	10-140				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	56.0		"	125		44.8	30-150				

LCS Dup (BG31288-BSD1)	LCS Dup	Prepared: 07/24/2023 Analyzed: 07/26/2023									
2,4,5-T	22.2	5.00	ug/L	40.0		55.6	10-140		23.9	30	
2,4,5-TP (Silvex)	21.5	5.00	"	40.0		53.8	10-139		23.4	30	
2,4-D	24.8	5.00	"	40.0		61.9	10-140		22.5	30	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	69.2		"	125		55.4	30-150				

Matrix Spike (BG31288-MS1)	Matrix Spike	*Source sample: 23G1091-03 (Matrix Spike)					Prepared: 07/24/2023 Analyzed: 07/26/2023				
2,4,5-T	13.0	5.00	ug/L	40.0	ND	32.5	30-150				
2,4,5-TP (Silvex)	12.5	5.00	"	40.0	ND	31.2	30-150				
2,4-D	14.5	5.00	"	40.0	ND	36.2	30-150				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	42.8		"	125		34.2	30-150				

Matrix Spike Dup (BG31288-1)	Matrix Spike Dup	*Source sample: 23G1091-03 (Matrix Spike Dup)					Prepared: 07/24/2023 Analyzed: 07/26/2023				
2,4,5-T	19.8	5.00	ug/L	40.0	ND	49.4	30-150		41.2	30	Non-dir.
2,4,5-TP (Silvex)	19.2	5.00	"	40.0	ND	48.1	30-150		42.5	30	Non-dir.
2,4-D	22.0	5.00	"	40.0	ND	55.0	30-150		41.1	30	Non-dir.

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	64.5		"	125		51.6	30-150				

Batch BH30069 - EPA 3550C/8151A

Blank (BH30069-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.422		"	0.417		101	21-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30069 - EPA 3550C/8151A

LCS (BH30069-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
2,4,5-T	0.105	0.0200	mg/kg wet	0.133		78.8	10-120				
2,4,5-TP (Silvex)	0.106	0.0200	"	0.133		79.4	10-120				
2,4-D	0.112	0.0200	"	0.133		84.4	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.339 " 0.417 81.4 21-150

Matrix Spike (BH30069-MS1)	Matrix Spike	*Source sample: 23G1116-01 (Matrix Spike) Prepared: 08/01/2023 Analyzed: 08/02/2023									
2,4,5-T	0.109	0.0225	mg/kg dry	0.150	ND	72.5	10-120				
2,4,5-TP (Silvex)	0.105	0.0225	"	0.150	ND	70.0	10-120				
2,4-D	0.118	0.0225	"	0.150	ND	78.8	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.460 " 0.469 98.2 21-150

Matrix Spike Dup (BH30069-MS1)	Matrix Spike Dup	*Source sample: 23G1116-01 (Matrix Spike Dup) Prepared: 08/01/2023 Analyzed: 08/02/2023									
2,4,5-T	0.0947	0.0221	mg/kg dry	0.147	ND	64.4	10-120		13.8	35	
2,4,5-TP (Silvex)	0.0901	0.0221	"	0.147	ND	61.2	10-120		15.3	35	
2,4-D	0.102	0.0221	"	0.147	ND	69.4	10-118		14.6	35	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.436 " 0.460 94.8 21-150



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31280 - EPA 3015A

Blank (BG31280-BLK1)	Blank								Prepared: 07/24/2023	Analyzed: 07/26/2023
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	0.885	0.0556	"							
Silver	ND	0.00556	"							
Sodium	ND	0.556	"							
Vanadium	ND	0.0111	"							
Zinc	ND	0.0278	"							

Blank (BG31280-BLK2)	Blank								Prepared: 07/24/2023	Analyzed: 07/27/2023
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	0.0635	0.0556	"							
Silver	ND	0.00556	"							
Sodium	ND	0.556	"							
Vanadium	ND	0.0111	"							
Zinc	ND	0.0278	"							



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31280 - EPA 3015A

LCS (BG31280-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/26/2023									
Aluminum	1.89		ug/mL	2.00		94.7	80-120				
Barium	2.00		"	2.00		100	80-120				
Calcium	1.03		"	1.00		103	80-120				
Chromium	0.200		"	0.200		100	80-120				
Cobalt	0.489		"	0.500		97.8	80-120				
Copper	0.257		"	0.250		103	80-120				
Iron	1.00		"	1.00		100	80-120				
Lead	0.481		"	0.500		96.2	80-120				
Magnesium	0.922		"	1.00		92.2	80-120				
Manganese	0.499		"	0.500		99.8	80-120				
Nickel	0.498		"	0.500		99.6	80-120				
Potassium	1.21		"	1.00		121	80-120	High Bias			
Silver	0.0430		"	0.0500		86.1	80-120				
Sodium	2.39		"	1.00		239	80-120	High Bias			
Vanadium	0.485		"	0.500		97.0	80-120				
Zinc	0.487		"	0.500		97.4	80-120				

LCS (BG31280-BS2)	LCS	Prepared: 07/24/2023 Analyzed: 07/26/2023									
Aluminum	1.83		ug/mL	2.00		91.3	80-120				
Barium	1.95		"	2.00		97.4	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.188		"	0.200		94.1	80-120				
Cobalt	0.477		"	0.500		95.4	80-120				
Copper	0.233		"	0.250		93.3	80-120				
Iron	0.953		"	1.00		95.3	80-120				
Lead	0.465		"	0.500		93.1	80-120				
Magnesium	0.995		"	1.00		99.5	80-120				
Manganese	0.485		"	0.500		97.0	80-120				
Nickel	0.483		"	0.500		96.7	80-120				
Potassium	0.900		"	1.00		90.0	80-120				
Silver	0.0445		"	0.0500		89.0	80-120				
Sodium	0.908		"	1.00		90.8	80-120				
Vanadium	0.469		"	0.500		93.7	80-120				
Zinc	0.473		"	0.500		94.6	80-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31280 - EPA 3015A

Duplicate (BG31280-DUP1)	Duplicate	*Source sample: 23G0999-01 (Duplicate)				Prepared: 07/24/2023 Analyzed: 07/29/2023					
Aluminum	ND	0.0556	mg/L		0.0734					20	
Barium	ND	0.0278	"		ND					20	
Calcium	30.3	0.0556	"		30.8				1.57	20	
Chromium	ND	0.00556	"		0.00624					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	0.242	0.0222	"		0.248				2.48	20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	4.83	0.0556	"		4.90				1.56	20	
Manganese	0.0681	0.00556	"		0.0843				21.2	20	Non-dir.
Nickel	ND	0.0111	"		ND					20	
Potassium	1.18	0.0556	"		1.11				5.43	20	
Silver	ND	0.00556	"		ND					20	
Sodium	31.1	0.556	"		31.3				0.801	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		0.0392					20	

Matrix Spike (BG31280-MS1)	Matrix Spike	*Source sample: 23G0999-01 (Matrix Spike)				Prepared: 07/24/2023 Analyzed: 07/29/2023					
Aluminum	2.32	0.0556	mg/L	2.22	0.0734	101	75-125				
Barium	2.44	0.0278	"	2.22	ND	110	75-125				
Calcium	31.8	0.0556	"	1.11	30.8	91.1	75-125				
Chromium	0.242	0.00556	"	0.222	0.00624	106	75-125				
Cobalt	0.591	0.00444	"	0.556	ND	106	75-125				
Copper	0.546	0.0222	"	0.278	0.248	107	75-125				
Iron	1.19	0.278	"	1.11	ND	107	75-125				
Lead	0.532	0.00556	"	0.556	ND	95.8	75-125				
Magnesium	6.16	0.0556	"	1.11	4.90	114	75-125				
Manganese	0.678	0.00556	"	0.556	0.0843	107	75-125				
Nickel	0.582	0.0111	"	0.556	ND	105	75-125				
Potassium	2.30	0.0556	"	1.11	1.11	107	75-125				
Silver	0.0537	0.00556	"	0.0556	ND	96.7	75-125				
Sodium	32.6	0.556	"	1.11	31.3	115	75-125				
Vanadium	0.591	0.0111	"	0.556	ND	106	75-125				
Zinc	0.602	0.0278	"	0.556	0.0392	101	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

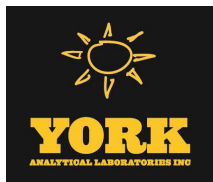
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31280 - EPA 3015A

Post Spike (BG31280-PS1)	Post Spike	*Source sample: 23G0999-01 (Post Spike)					Prepared: 07/24/2023 Analyzed: 07/29/2023				
Aluminum	2.19		ug/mL	2.00	0.0660	106	75-125				
Barium	2.28		"	2.00	0.0199	113	75-125				
Calcium	28.2		"	1.00	27.7	52.2	75-125	Low Bias			
Chromium	0.227		"	0.200	0.00562	111	75-125				
Cobalt	0.553		"	0.500	0.000815	110	75-125				
Copper	0.503		"	0.250	0.223	112	75-125				
Iron	1.11		"	1.00	0.0840	103	75-125				
Lead	0.513		"	0.500	0.00344	102	75-125				
Magnesium	5.42		"	1.00	4.41	101	75-125				
Manganese	0.626		"	0.500	0.0758	110	75-125				
Nickel	0.550		"	0.500	-0.00384	110	75-125				
Potassium	2.11		"	1.00	1.00	110	75-125				
Silver	0.0581		"	0.0500	-0.000607	116	75-125				
Sodium	28.6		"	1.00	28.2	36.9	75-125	Low Bias			
Vanadium	0.552		"	0.500	0.000722	110	75-125				
Zinc	0.585		"	0.500	0.0353	110	75-125				

Batch BG31408 - EPA 3050B

Blank (BG31408-BLK1)	Blank	Prepared: 07/25/2023 Analyzed: 07/27/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	10.4	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31408 - EPA 3050B

Duplicate (BG31408-DUP1)	Duplicate	*Source sample: 23G0969-02 (Duplicate)					Prepared: 07/25/2023 Analyzed: 07/27/2023				
Aluminum	13500	4.68	mg/kg dry		11900				12.6	35	
Antimony	6.58	2.34	"		8.39				24.2	35	
Arsenic	127	1.41	"		146				14.2	35	
Barium	318	2.34	"		339				6.42	35	
Beryllium	0.207	0.047	"		0.238				13.9	35	
Cadmium	6.65	0.281	"		8.70				26.7	35	
Calcium	1110	4.69	"		1210				8.26	35	
Chromium	62.3	0.469	"		56.6				9.67	35	
Cobalt	11.2	0.374	"		11.1				0.452	35	
Copper	183	1.87	"		235				25.0	35	
Iron	23200	23.4	"		32100				32.3	35	
Lead	350	0.469	"		1230				111	35	Non-dir.
Magnesium	1730	4.69	"		1580				9.13	35	
Manganese	281	0.469	"		304				7.89	35	
Nickel	20.9	0.933	"		18.8				10.2	35	
Potassium	939	4.69	"		824				13.0	35	
Selenium	ND	2.34	"		ND					35	
Silver	ND	0.472	"		ND					35	
Sodium	704	46.9	"		697				1.07	35	
Thallium	14.0	2.34	"		23.2				49.2	35	Non-dir.
Vanadium	29.3	0.933	"		29.8				1.68	35	
Zinc	224	2.33	"		284				23.8	35	

Matrix Spike (BG31408-MS1)	Matrix Spike	*Source sample: 23G0969-02 (Matrix Spike)					Prepared: 07/25/2023 Analyzed: 07/27/2023				
Aluminum	12200	4.68	mg/kg dry	187	11900	158	75-125	High Bias			
Antimony	12.3	2.34	"	23.4	8.39	16.5	75-125	Low Bias			
Arsenic	267	1.41	"	187	146	64.6	75-125	Low Bias			
Barium	421	2.34	"	187	339	43.6	75-125	Low Bias			
Beryllium	5.13	0.047	"	4.69	0.238	104	75-125				
Cadmium	12.6	0.281	"	4.69	8.70	83.1	75-125				
Calcium	1290	4.69	"	93.7	1210	91.0	75-125				
Chromium	57.0	0.469	"	18.7	56.6	2.08	75-125	Low Bias			
Cobalt	63.0	0.374	"	46.9	11.1	111	75-125				
Copper	186	1.87	"	23.4	235	NR	75-125	Low Bias			
Iron	21100	23.4	"	93.7	32100	NR	75-125	Low Bias			
Lead	363	0.469	"	46.9	1230	NR	75-125	Low Bias			
Magnesium	1710	4.69	"	93.7	1580	135	75-125	High Bias			
Manganese	309	0.469	"	46.9	304	11.4	75-125	Low Bias			
Nickel	66.9	0.933	"	46.9	18.8	103	75-125				
Potassium	941	4.69	"	93.7	824	124	75-125				
Selenium	111	2.34	"	187	ND	59.4	75-125	Low Bias			
Silver	2.16	0.472	"	4.69	ND	46.1	75-125	Low Bias			
Sodium	782	46.9	"	93.7	697	90.9	75-125				
Thallium	196	2.34	"	187	23.2	92.2	75-125				
Vanadium	75.9	0.933	"	46.9	29.8	98.5	75-125				
Zinc	305	2.33	"	46.9	284	45.2	75-125	Low Bias			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31408 - EPA 3050B

Post Spike (BG31408-PS1)	Post Spike	*Source sample: 23G0969-02 (Post Spike)					Prepared: 07/25/2023 Analyzed: 07/27/2023				
Aluminum	128		ug/mL	2.00	127	68.2	75-125	Low Bias			
Antimony	0.308		"	0.250	0.090	87.5	75-125				
Arsenic	3.50		"	2.00	1.56	97.3	75-125				
Barium	5.54		"	2.00	3.62	96.0	75-125				
Beryllium	0.052		"	0.0500	0.003	98.8	75-125				
Cadmium	0.138		"	0.0500	0.093	90.4	75-125				
Calcium	13.9		"	1.00	12.9	105	75-125				
Chromium	0.785		"	0.200	0.604	90.8	75-125				
Cobalt	0.630		"	0.500	0.119	102	75-125				
Copper	2.78		"	0.250	2.51	109	75-125				
Iron	342		"	1.00	343	NR	75-125	Low Bias			
Lead	13.0		"	0.500	13.1	NR	75-125	Low Bias			
Magnesium	18.1		"	1.00	16.9	119	75-125				
Manganese	3.69		"	0.500	3.24	89.3	75-125				
Nickel	0.726		"	0.500	0.201	105	75-125				
Potassium	9.83		"	1.00	8.80	103	75-125				
Selenium	0.854		"	2.00	-0.713	42.7	75-125	Low Bias			
Silver	0.039		"	0.0500	-0.020	77.7	75-125				
Sodium	8.39		"	1.00	7.44	94.9	75-125				
Thallium	2.10		"	2.00	0.247	92.8	75-125				
Vanadium	0.798		"	0.500	0.317	96.1	75-125				
Zinc	3.49		"	0.500	3.03	91.0	75-125				

Reference (BG31408-SRM1)	Reference	Prepared: 07/25/2023 Analyzed: 07/26/2023									
Aluminum	8290	4.17	mg/kg wet	8040		103	49.9-150.5				
Antimony	56.8	2.08	"	129		44.0	18-250.4				
Arsenic	187	1.25	"	183		102	69.9-130.1				
Barium	309	2.08	"	297		104	75.1-125.3				
Beryllium	76.0	0.042	"	78.8		96.4	75-124.9				
Cadmium	231	0.250	"	221		105	75.1-124.9				
Calcium	4720	4.17	"	4710		100	72.4-127.4				
Chromium	200	0.417	"	200		100	70-130				
Cobalt	99.0	0.333	"	97.4		102	74.9-125.3				
Copper	143	1.67	"	136		105	75-125				
Iron	12900	20.8	"	14000		92.4	34.9-165.7				
Lead	247	0.417	"	257		96.3	73.9-126.1				
Magnesium	2240	4.17	"	2290		98.0	62-138.4				
Manganese	372	0.417	"	381		97.6	75.9-124.1				
Nickel	188	0.830	"	169		111	69.8-129.6				
Potassium	1940	4.17	"	2030		95.4	59.1-140.9				
Selenium	142	2.08	"	217		65.7	69.1-131.3	Low Bias			
Silver	59.5	0.420	"	67.8		87.8	70.6-129.2				
Sodium	404	41.7	"	427		94.7	58.3-141.9				
Thallium	90.6	2.08	"	80.5		113	65.1-135.4				
Vanadium	192	0.830	"	205		93.8	74.6-125.4				
Zinc	217	2.08	"	224		97.1	70.1-130.4				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Blank (BH30315-BLK1)	Blank	Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

Duplicate (BH30315-DUP1)	Duplicate	*Source sample: 23H0025-06 (Duplicate) Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	717	4.52	mg/kg dry		7230				164	35	Non-dir.
Antimony	ND	2.26	"		5.86					35	
Arsenic	ND	1.36	"		8.41					35	
Barium	4.63	2.26	"		39.7				158	35	Non-dir.
Beryllium	ND	0.046	"		0.090					35	
Cadmium	ND	0.271	"		ND					35	
Calcium	240	4.52	"		4130				178	35	Non-dir.
Chromium	2.34	0.452	"		13.1				139	35	Non-dir.
Cobalt	0.612	0.361	"		5.85				162	35	Non-dir.
Copper	ND	1.81	"		17.4					35	
Iron	1380	22.6	"		12000				159	35	Non-dir.
Lead	1.68	0.452	"		37.4				183	35	Non-dir.
Magnesium	207	4.52	"		3740				179	35	Non-dir.
Manganese	15.6	0.452	"		194				170	35	Non-dir.
Nickel	ND	0.900	"		14.0					35	
Potassium	127	4.52	"		907				151	35	Non-dir.
Selenium	ND	2.26	"		ND					35	
Silver	ND	0.455	"		ND					35	
Sodium	ND	45.2	"		409					35	
Thallium	ND	2.26	"		6.00					35	
Vanadium	2.56	0.900	"		20.3				155	35	Non-dir.
Zinc	3.78	2.25	"		47.9				171	35	Non-dir.



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Matrix Spike (BH30315-MS1)	Matrix Spike	*Source sample: 23H0025-06 (Matrix Spike)						Prepared: 08/04/2023 Analyzed: 08/09/2023			
Aluminum	913	4.52	mg/kg dry	181	7230	NR	75-125	Low Bias			
Antimony	16.2	2.26	"	22.6	5.86	45.5	75-125	Low Bias			
Arsenic	192	1.36	"	181	8.41	102	75-125				
Barium	207	2.26	"	181	39.7	92.5	75-125				
Beryllium	4.88	0.046	"	4.52	0.090	106	75-125				
Cadmium	4.74	0.271	"	4.52	ND	105	75-125				
Calcium	312	4.52	"	90.4	4130	NR	75-125	Low Bias			
Chromium	22.8	0.452	"	18.1	13.1	53.5	75-125	Low Bias			
Cobalt	50.9	0.361	"	45.2	5.85	99.6	75-125				
Copper	27.9	1.81	"	22.6	17.4	46.7	75-125	Low Bias			
Iron	1610	22.6	"	90.4	12000	NR	75-125	Low Bias			
Lead	50.5	0.452	"	45.2	37.4	29.0	75-125	Low Bias			
Magnesium	312	4.52	"	90.4	3740	NR	75-125	Low Bias			
Manganese	66.4	0.452	"	45.2	194	NR	75-125	Low Bias			
Nickel	50.6	0.900	"	45.2	14.0	81.2	75-125				
Potassium	216	4.52	"	90.4	907	NR	75-125	Low Bias			
Selenium	134	2.26	"	181	ND	74.0	75-125	Low Bias			
Silver	4.01	0.455	"	4.52	ND	88.7	75-125				
Sodium	104	45.2	"	90.4	409	NR	75-125	Low Bias			
Thallium	188	2.26	"	181	6.00	101	75-125				
Vanadium	51.6	0.900	"	45.2	20.3	69.3	75-125	Low Bias			
Zinc	51.5	2.25	"	45.2	47.9	7.81	75-125	Low Bias			

Post Spike (BH30315-PS1)	Post Spike	*Source sample: 23H0025-06 (Post Spike)						Prepared: 08/04/2023 Analyzed: 08/09/2023			
Aluminum	744	4.52	mg/kg dry	181	7230	NR	75-125	Low Bias			
Antimony	22.2	2.26	"	22.6	5.86	72.5	75-125	Low Bias			
Arsenic	186	1.36	"	181	8.41	98.5	75-125				
Barium	192	2.26	"	181	39.7	84.4	75-125				
Beryllium	4.53	0.046	"	4.52	0.090	98.2	75-125				
Cadmium	4.55	0.271	"	4.52	ND	101	75-125				
Calcium	279	4.52	"	90.4	4130	NR	75-125	Low Bias			
Chromium	19.9	0.452	"	18.1	13.1	37.6	75-125	Low Bias			
Cobalt	47.4	0.361	"	45.2	5.85	91.9	75-125				
Copper	27.1	1.81	"	22.6	17.4	43.2	75-125	Low Bias			
Iron	1350	22.6	"	90.4	12000	NR	75-125	Low Bias			
Lead	48.0	0.452	"	45.2	37.4	23.6	75-125	Low Bias			
Magnesium	264	4.52	"	90.4	3740	NR	75-125	Low Bias			
Manganese	72.8	0.452	"	45.2	194	NR	75-125	Low Bias			
Nickel	48.1	0.900	"	45.2	14.0	75.7	75-125				
Potassium	183	4.52	"	90.4	907	NR	75-125	Low Bias			
Selenium	130	2.26	"	181	ND	72.0	75-125	Low Bias			
Silver	4.10	0.455	"	4.52	ND	90.7	75-125				
Sodium	101	45.2	"	90.4	409	NR	75-125	Low Bias			
Thallium	182	2.26	"	181	6.00	97.6	75-125				
Vanadium	47.7	0.900	"	45.2	20.3	60.8	75-125	Low Bias			
Zinc	51.1	2.25	"	45.2	47.9	6.99	75-125	Low Bias			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Reference (BH30315-SRM1)	Reference	Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	8660	4.17	mg/kg wet	8040		108	49.9-150.5				
Antimony	55.9	2.08	"	129		43.3	18-250.4				
Arsenic	191	1.25	"	183		104	69.9-130.1				
Barium	314	2.08	"	297		106	75.1-125.3				
Beryllium	74.7	0.042	"	78.8		94.8	75-124.9				
Cadmium	215	0.250	"	221		97.2	75.1-124.9				
Calcium	4720	4.17	"	4710		100	72.4-127.4				
Chromium	203	0.417	"	200		101	70-130				
Cobalt	99.8	0.333	"	97.4		102	74.9-125.3				
Copper	150	1.67	"	136		110	75-125				
Iron	13500	20.8	"	14000		96.6	34.9-165.7				
Lead	252	0.417	"	257		98.0	73.9-126.1				
Magnesium	2330	4.17	"	2290		102	62-138.4				
Manganese	385	0.417	"	381		101	75.9-124.1				
Nickel	183	0.830	"	169		108	69.8-129.6				
Potassium	2180	4.17	"	2030		107	59.1-140.9				
Selenium	130	2.08	"	217		60.1	69.1-131.3	Low Bias			
Silver	63.5	0.420	"	67.8		93.7	70.6-129.2				
Sodium	425	41.7	"	427		99.4	58.3-141.9				
Thallium	82.5	2.08	"	80.5		102	65.1-135.4				
Vanadium	201	0.830	"	205		98.1	74.6-125.4				
Zinc	221	2.08	"	224		98.6	70.1-130.4				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31371 - EPA 3015A											
Blank (BG31371-BLK1)	Blank							Prepared & Analyzed: 07/25/2023			
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 (BG31371-BS1)	LCS							Prepared & Analyzed: 07/25/2023			
Antimony	53.1		ug/L	50.0		106	80-120				
Arsenic	49.9		"	50.0		99.8	80-120				
Beryllium	56.3		"	50.0		113	80-120				
Cadmium	48.4		"	50.0		96.9	80-120				
Selenium	51.6		"	50.0		103	80-120				
Thallium	53.2		"	50.0		106	80-120				
Duplicate (BG31371-DUP1)	Duplicate	*Source sample: 23G1091-03 (Duplicate)						Prepared & Analyzed: 07/25/2023			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00268	0.00111	"		0.00258				4.09	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00114	0.00111	"		0.00457				120	20	Non-dir.
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BG31371-MS1)	Matrix Spike	*Source sample: 23G1091-03 (Matrix Spike)						Prepared & Analyzed: 07/25/2023			
Antimony	53.9		ug/L	50.0	0.113	108	75-125	Low Bias			
Arsenic	51.8		"	50.0	2.32	99.0	75-125				
Beryllium	29.7		"	50.0	0.013	59.4	75-125				
Cadmium	45.7		"	50.0	0.456	90.4	75-125				
Selenium	58.7		"	50.0	4.11	109	75-125				
Thallium	55.8		"	50.0	0.005	112	75-125				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31363 - EPA SW846-7470A											
Blank (BG31363-BLK1)	Blank								Prepared & Analyzed: 07/25/2023		
Mercury	ND	0.0002	mg/L								
LCS (BG31363-BS1)	LCS								Prepared & Analyzed: 07/25/2023		
Mercury	0.0018381	0.0002	mg/L	0.00200		91.9	80-120				
Duplicate (BG31363-DUP1)	Duplicate	*Source sample: 23G1091-03 (Duplicate)							Prepared & Analyzed: 07/25/2023		
Mercury	ND	0.0002	mg/L		ND					20	
Matrix Spike (BG31363-MS1)	Matrix Spike	*Source sample: 23G1091-03 (Matrix Spike)							Prepared & Analyzed: 07/25/2023		
Mercury	0.0025	0.0002	mg/L	0.00200	ND	127	75-125	High Bias			
Matrix Spike Dup (BG31363-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1091-03 (Matrix Spike Dup)							Prepared & Analyzed: 07/25/2023		
Mercury	0.0024	0.0002	mg/L	0.00200	ND	121	75-125		4.35	200	
Batch BG31392 - EPA 7473 soil											
Blank (BG31392-BLK1)	Blank								Prepared & Analyzed: 07/25/2023		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BG31392-DUP1)	Duplicate	*Source sample: 23G0964-04 (Duplicate)							Prepared & Analyzed: 07/25/2023		
Mercury	ND	0.0332	mg/kg dry		ND					35	
Matrix Spike (BG31392-MS1)	Matrix Spike	*Source sample: 23G0964-04 (Matrix Spike)							Prepared & Analyzed: 07/25/2023		
Mercury	0.448		mg/kg	0.500	0.0248	84.6	75-125				
Reference (BG31392-SRM1)	Reference								Prepared & Analyzed: 07/25/2023		
Mercury	21.882		mg/kg	27.2		80.4	59.9-140.1				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
Batch BH30345 - EPA 7473 soil									
Blank (BH30345-BLK1)	Blank							Prepared & Analyzed: 08/05/2023	
Mercury	ND	0.0300	mg/kg wet						
Duplicate (BH30345-DUP1)	Duplicate	*Source sample: 23G0963-04 (SB01_7.5-9.5)						Prepared & Analyzed: 08/05/2023	
Mercury	ND	0.0334	mg/kg dry		ND			35	
Matrix Spike (BH30345-MS1)	Matrix Spike	*Source sample: 23G0963-04 (SB01_7.5-9.5)						Prepared & Analyzed: 08/05/2023	
Mercury	0.485		mg/kg	0.500	0.00410	96.2	75-125		
Reference (BH30345-SRM1)	Reference							Prepared & Analyzed: 08/05/2023	
Mercury	21.349		mg/kg	27.2		78.5	59.9-140.1		



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31001 - Analysis Preparation

Blank (BG31001-BLK1)	Blank								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BG31001-BS1)	LCS								Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	0.496	0.0100	mg/L	0.500		99.2	85-115				
Duplicate (BG31001-DUP1)	Duplicate	*Source sample: 23G0979-01 (Duplicate)							Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BG31001-MS1)	Matrix Spike	*Source sample: 23G0979-01 (Matrix Spike)							Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	0.460	0.0100	mg/L	0.500	ND	92.0	85-115				
Matrix Spike Dup (BG31001-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G0979-01 (Matrix Spike Dup)							Prepared & Analyzed: 07/18/2023		
Chromium, Hexavalent	0.453	0.0100	mg/L	0.500	ND	90.6	85-115		1.53	200	

Batch BG31075 - Analysis Preparation

Blank (BG31075-BLK1)	Blank								Prepared & Analyzed: 07/19/2023		
Cyanide, total	ND	0.0100	mg/L								
LCS (BG31075-BS1)	LCS								Prepared & Analyzed: 07/19/2023		
Cyanide, total	0.195	0.0100	mg/L	0.200		97.5	80-120				
Duplicate (BG31075-DUP1)	Duplicate	*Source sample: 23G0939-01 (Duplicate)							Prepared & Analyzed: 07/19/2023		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BG31075-MS1)	Matrix Spike	*Source sample: 23G0939-01 (Matrix Spike)							Prepared & Analyzed: 07/19/2023		
Cyanide, total	0.185	0.0100	mg/L	0.200	ND	92.5	79-105				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31075 - Analysis Preparation

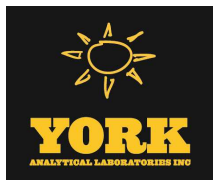
Matrix Spike Dup (BG31075-1)	Matrix Spike Dup	*Source sample: 23G0939-01 (Matrix Spike Dup)						Prepared & Analyzed: 07/19/2023			
Cyanide, total		0.188	0.0100	mg/L	0.200	ND	94.0	79-105	1.61	200	

Batch BG31196 - Analysis Preparation Soil

Blank (BG31196-BLK1)	Blank							Prepared & Analyzed: 07/21/2023			
Cyanide, total		ND	0.500	mg/kg wet							
Duplicate (BG31196-DUP1)	Duplicate	*Source sample: 23G1128-02 (Duplicate)						Prepared & Analyzed: 07/21/2023			
Cyanide, total		ND	0.531	mg/kg dry		ND				15	
Matrix Spike (BG31196-MS1)	Matrix Spike	*Source sample: 23G1128-02 (Matrix Spike)						Prepared & Analyzed: 07/21/2023			
Cyanide, total		9.93	0.531	mg/kg dry	10.6	ND	93.5	79.6-107			
Matrix Spike Dup (BG31196-1)	Matrix Spike Dup	*Source sample: 23G1128-02 (Matrix Spike Dup)						Prepared & Analyzed: 07/21/2023			
Cyanide, total		10.7	0.531	mg/kg dry	10.6	ND	100	79.6-107	7.22	200	
Reference (BG31196-SRM1)	Reference							Prepared & Analyzed: 07/21/2023			
Cyanide, total		145		ug/mL	131		111	44.4-156.5			

Batch BG31374 - EPA SW846-3060

Blank (BG31374-BLK1)	Blank							Prepared & Analyzed: 07/25/2023			
Chromium, Hexavalent		ND	0.500	mg/kg wet							
Duplicate (BG31374-DUP1)	Duplicate	*Source sample: 23G0971-09 (Duplicate)						Prepared & Analyzed: 07/25/2023			
Chromium, Hexavalent		ND	0.598	mg/kg dry		ND				35	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31374 - EPA SW846-3060											
Matrix Spike (BG31374-MS1)	Matrix Spike	*Source sample: 23G0971-09 (Matrix Spike)						Prepared & Analyzed: 07/25/2023			
Chromium, Hexavalent	ND	0.598	mg/kg dry	23.9	ND		75-125	Low Bias			
Matrix Spike Dup (BG31374-MS1)	Matrix Spike Dup	*Source sample: 23G0971-09 (Matrix Spike Dup)						Prepared & Analyzed: 07/25/2023			
Chromium, Hexavalent	ND	0.598	mg/kg dry	23.9	ND		75-125	Low Bias		200	
Reference (BG31374-SRM1)	Reference							Prepared & Analyzed: 07/25/2023			
Chromium, Hexavalent	120		mg/L	227		52.8	42.3-157.7				
Batch BH30182 - Analysis Preparation Soil											
Blank (BH30182-BLK1)	Blank							Prepared & Analyzed: 08/03/2023			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BH30182-DUP1)	Duplicate	*Source sample: 23G1621-01 (Duplicate)						Prepared & Analyzed: 08/03/2023			
Cyanide, total	ND	0.566	mg/kg dry		ND					15	
Matrix Spike (BH30182-MS1)	Matrix Spike	*Source sample: 23G1621-01 (Matrix Spike)						Prepared & Analyzed: 08/03/2023			
Cyanide, total	7.87	0.566	mg/kg dry	11.3	ND	69.5	79.6-107	Low Bias			
Matrix Spike Dup (BH30182-MS1)	Matrix Spike Dup	*Source sample: 23G1621-01 (Matrix Spike Dup)						Prepared & Analyzed: 08/03/2023			
Cyanide, total	8.55	0.566	mg/kg dry	11.3	ND	75.5	79.6-107	Low Bias	8.28	200	
Reference (BH30182-SRM1)	Reference							Prepared & Analyzed: 08/03/2023			
Cyanide, total	149		ug/mL	131		114	44.4-156.5				
Batch BH30314 - EPA SW846-3060											
Blank (BH30314-BLK1)	Blank							Prepared & Analyzed: 08/04/2023			
Chromium, Hexavalent	ND	0.500	mg/kg wet								



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30314 - EPA SW846-3060											
Duplicate (BH30314-DUP1)	Duplicate	*Source sample: 23H0140-06 (Duplicate)						Prepared & Analyzed: 08/04/2023			
Chromium, Hexavalent	ND	0.552	mg/kg dry		ND					35	
Matrix Spike (BH30314-MS1)	Matrix Spike	*Source sample: 23H0140-06 (Matrix Spike)						Prepared & Analyzed: 08/04/2023			
Chromium, Hexavalent	ND	0.552	mg/kg dry	22.1	ND		75-125	Low Bias			
Matrix Spike Dup (BH30314-MS1-DUP)	Matrix Spike Dup	*Source sample: 23H0140-06 (Matrix Spike Dup)						Prepared & Analyzed: 08/04/2023			
Chromium, Hexavalent	ND	0.552	mg/kg dry	22.1	ND		75-125	Low Bias		200	
Reference (BH30314-SRM1)	Reference							Prepared & Analyzed: 08/04/2023			
Chromium, Hexavalent	278		mg/L	227		122	42.3-157.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BG31211 - % Solids Prep

Duplicate (BG31211-DUP1)	Duplicate	*Source sample: 23G1130-01 (Duplicate)					Prepared & Analyzed: 07/21/2023		
% Solids		92.3	0.100	%		79.6		14.8	20

Batch BH30076 - % Solids Prep

Duplicate (BH30076-DUP1)	Duplicate	*Source sample: 23G0963-08 (SB03_0-2)						Prepared: 08/01/2023 Analyzed: 08/02/2023	
% Solids		90.1	0.100	%		89.4		0.785	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G0963-03	SB01_2-4	40mL Vial with Stir Bar-Cool 4° C
23G0963-04	SB01_7.5-9.5	40mL Vial with Stir Bar-Cool 4° C
23G0963-06	SB02_3-5	40mL Vial with Stir Bar-Cool 4° C
23G0963-08	SB03_0-2	40mL 01_Clear Vial Cool to 4° C
23G0963-09	SB03_3-5	40mL Vial with Stir Bar-Cool 4° C
23G0963-11	SB04_0-2	40mL Vial with Stir Bar-Cool 4° C
23G0963-12	SB04_6-8	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CONT	Sample was received in an improper container.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
VOA-Re	VOA sample for re-run was taken from a bulk sample container noncompliant with SW-846 5035A due to a depletion of a proper vial during analysis. Results below 200 ug/Kg may be biased low.
PRES	Sample was received with no preservative and was preserved upon receipt at the laboratory. If for metals, the sample was allowed to sit for 18-24 hours before analysis.
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-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.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-08	The recovery of this surrogate was outside of QC 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.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.



MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

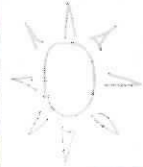
Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Due to laboratory error, the VOC analysis for FB01_071823 and TB01_071823 have been cancelled. The client was notified on 7/26/23.

Revision Description: This report has been revised to report activated samples -04, -08 and -12.



Field Chain-of-Custody Record

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.

236-0963

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com 800-306-YORK

Page 1 of 2

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan	Company:	u SAME	Company:	u SAME	100964201		RUSH - Next Day	
Address:	300 Kimball Drive	Address:		Address:				RUSH - Two Day	
Phone:	Paragangany NJ'S 07054	Phone:		Phone:		YOUR Project Name		RUSH - Three Day	
Contact:	Amund Fernsbury	Contact:		Contact:		40 Quay Street		RUSH - Four Day	
E-mail:	Afersburg@langan.com	E-mail:	ahofcom@langan.com	E-mail:	1kott@langan.com	YOUR PO#:		RUSH - Five Day	
								Standard (6-9 Day) ☒	
								PFAS Standard is 7-10 Days	

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.

Nick Hadom *fh*

Samples Collected by: (print AND sign your name)

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.
FB01-071823	FB	S (soil) solid	New York	☒ Summary Report	NYSDEC Part 375 - specified	Various	8
SB01-0-2	S	GW - groundwater	New Jersey	☐ QA Report	VOCs, SVOCs, TAL metals,	↓	8
SB01-2-4	S	DW - drinking water	Connecticut	☐ CMDP	hexavalent chromium, bivalent		8
SB01-7.5-9.5	S	WW - wastewater	Pennsylvania	☐ Standard Excel EDD	chromium, cyanide, PCBs,		8
SB02-0-2	S	O - Oil	Other:	☐ NY ASP B Package	herbicides, pesticides, PFAS via		8
SB02-3-5	S				method 1635, 1,4-dioxane		8
SB02-6-8	S				TCLP metals		8
SB03-0-2	S						8
SB03-3-5	S						8
SB03-7-9	S						8

Comments: Hold TCLP Metals, PFAS method 1635, Part 375
TAL metals, hexavalent chromium via method 1635

Preservation: (check all that apply)	
HCl ☒ MeOH ☒ HNO3 ☐ H2SO4 ☐ NaOH ☒	Other: ☐
ZnAc ☐ Ascorbic Acid ☐	

1. Samples Relinquished by / Company		Date/Time	
7/18/23		7/18/23	
2. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
3. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
4. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
5. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
6. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
7. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
8. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
9. Samples Relinquished by / Company		Date/Time	
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12. Samples Relinquished by / Company		Date/Time	
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13. Samples Relinquished by / Company		Date/Time	
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Nick Hadom		7/18/23	
16. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
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18. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
19. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
20. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
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Nick Hadom		7/18/23	
22. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
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Nick Hadom		7/18/23	
24. Samples Relinquished by / Company		Date/Time	
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28. Samples Relinquished by / Company		Date/Time	
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Nick Hadom		7/18/23	
36. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
37. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
38. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
39. Samples Relinquished by / Company		Date/Time	
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81. Samples Relinquished by / Company		Date/Time	
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93. Samples Relinquished by / Company		Date/Time	
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97. Samples Relinquished by / Company		Date/Time	
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98. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
99. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	
100. Samples Relinquished by / Company		Date/Time	
Nick Hadom		7/18/23	



Field Chain-of-Custody Record

Your signature binds you to YORK's Standard Terms & Conditions.

Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.

236-0963

20 Research Drive Stratford CT 06615 132-02 89th Ave Queens, NY 11418 55 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

Page 2 of 2

[illegible]



Field Chain-of-Custody Record

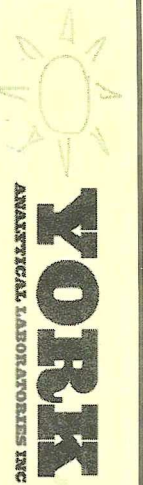
York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

Page 1 of 2

YOUR Information		Report To:		Invoice To:		YOUR Project Number		YOUR Project Name		YOUR PO#:		Turn-Around Time		
Company:	Langan	Company:	SAVIE	Company:	SAVIE	100964201		40 Quay Street				RUSH - Next Day		
Address:	300 Kimball Drive Pawcatuck, NJ 07054	Address:		Address:								RUSH - Two Day		
Phone:	973 560 4900	Phone:		Phone:								RUSH - Three Day		
Contact:	Amand Fornburg	Contact:		Contact:								RUSH - Four Day		
E-mail:	Afornburg@langan.com	E-mail:	afornburg@langan.com	E-mail:	1koth@langan.com							RUSH - Five Day		
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.													Standard (6-9 Day) ☒ PFAS Standard is 7-10 Days	
Nick Haddon 4A													YORK Reg. Comp.	
Samples Collected by: (print AND sign your name)													Compared to the following Regulation(s): (please fill in)	
Sample Identification		Matrix Codes		Samples From		Report / EDD Type (circle selections)		Analyses Requested		Container Type		No.		
FB01-071823		S - soil / solid		New York		Summary Report		CT RCP		EQUIS (Standard)		Various		8
SB01-0-2		HOLD		S		7/18/23 0800		NYSDEC Part 375 - specified		VOCs, SVOCs, TAL metals,		↓		8
SB01-2-4		HOLD		S		7/18/23 0945		hexavalent chromium, hexavalent		chromium, cyanide, PCBs,				8
SB01-7.5-9.5		HOLD		S		7/18/23 0950		herbicides, pesticides, PFAS via		method 1631, 1,4-dioxane				8
SB02-0-2		HOLD		S		1015		TCLP metals						8
SB02-3-5		HOLD		S		1030								8
SB02-6-8		HOLD		S		1045								8
SB03-0-2		HOLD		S		1215								8
SB03-3-5		HOLD		S		1230								8
SB03-7-9		HOLD		S		1245								8
Comments: Hold TCLP metals, PFAS method 1631, Part 375 TAL metals, hexavalent chromium, cyanide, PCBs, herbicides, pesticides, PFAS via method 1631, 1,4-dioxane													Special Instruction	
1. Samples Relinquished by / Company													Field Filtered	
2. Samples Received by / Company													Lab to Filter	
3. Samples Relinquished by / Company														
4. Samples Relinquished by / Company													Temperature	



Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

Page 2 of 2

Page 239 of 239

YOUR Information

Report To:

Invoice To:

YOUR Project Number

Turn-Around Time

Company: Lannigan

Company: "SPARE"

Company: "SPARE"

100946-1201

RUSH - Next Day

Address: 300 Wambaw Dr

Address:

Address:

YOUR Project Name

RUSH - Two Day

Phone: 973 580 4900

Phone:

Phone:

40 Quay Street

RUSH - Three Day

Contact: Amanda Forsburg

Contact:

Contact:

YOUR PO#:

RUSH - Four Day

E-mail: Aforsburg@lannigan.com

E-mail:

E-mail:

Standard (6-9 Day)

RUSH - Five Day

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.

Matrix Codes

S - soil / solid

New York

☒

Summary Report

CT RCP

YORK Reg. Comp.

GW - groundwater

New Jersey

Connecticut

☐

QA Report

CT RCP DQADUE NYSDEC EQUIS

Compared to the following Regulation(s): (please fill in)

DW - drinking water

Pennsylvania

Other:

☐

CMDP

NJDEP Reduced Deliverables

NJDEP SRP HazSite

WW - wastewater

Other:

☐

Standard Excel EDD

NX ASP B Package

Other:

Standard (6-9 Day)

PFAS Standard is 7-10 Days

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Other:

Comments: Please add preservative for missing FP bottle

Preservation: (check all that apply)

Special Instruction

1. Samples Relinquished by / Company

Date/Time

1. Samples Relinquished by / Company

Date/Time

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

Degrees C

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Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 08/18/2023

Client Project ID: 100964201

York Project (SDG) No.: 23G1202

Revision No. 2.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 08/18/2023
Client Project ID: 100964201
York Project (SDG) No.: 23G1202

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

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 July 20, 2023 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1202-02	SB11_3-5	Soil	07/20/2023	07/20/2023
23G1202-03	SB11_7-9	Soil	07/20/2023	07/20/2023
23G1202-04	SB10_1-3	Soil	07/20/2023	07/20/2023
23G1202-05	SB10_5-7	Soil	07/20/2023	07/20/2023
23G1202-06	SB09_0-2	Soil	07/20/2023	07/20/2023
23G1202-07	SB09_3-5	Soil	07/20/2023	07/20/2023
23G1202-09	DUP02_072023	Soil	07/20/2023	07/20/2023
23G1202-10	EB03_072023	Water	07/20/2023	07/20/2023
23G1202-11	TB03_072023	Water	07/20/2023	07/20/2023
23G1202-12	FB02_072023	Water	07/20/2023	07/20/2023

General Notes for York Project (SDG) No.: 23G1202

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



Cassie L. Mosher
Laboratory Manager

Date: 08/18/2023





Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

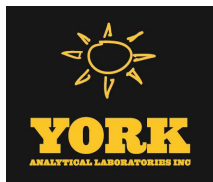
VOA, 8260 MASTER

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	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE, ICVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 11:33	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
75-34-3	1,1-Dichloroethane	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 11:33	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

VOA, 8260 MASTER

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	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 11:33	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
67-64-1	Acetone	0.029		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

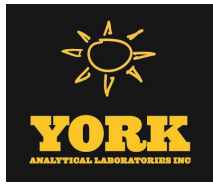
VOA, 8260 MASTER

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	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
110-82-7	Cyclohexane	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:33	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:33	BMC



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

23G1202

Client Project ID

100964201

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Collection Date/Time

July 20, 2023 7:45 am

Date Received

07/20/2023

VOA, 8260 MASTER

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	CCVE, QL-02	mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0027	0.0055	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:33	BMC
								Certifications:	CTDOH-PH-0723,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	109 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %	76-130								

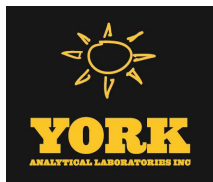
SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
91-57-6	2-Methylnaphthalene	0.128		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
83-32-9	Acenaphthene	0.496		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
208-96-8	Acenaphthylene	0.514		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
98-86-2	Acetophenone	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
62-53-3	Aniline	ND	CCVE	mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
120-12-7	Anthracene	1.27		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
56-55-3	Benzo(a)anthracene	4.66		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
50-32-8	Benzo(a)pyrene	4.53		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
205-99-2	Benzo(b)fluoranthene	5.43		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
191-24-2	Benzo(g,h,i)perylene	2.47	CAL-E	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
207-08-9	Benzo(k)fluoranthene	1.80		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
111-44-4	Bis(2-chloroethyl)ether	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
86-74-8	Carbazole	0.492		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
218-01-9	Chrysene	4.47		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
53-70-3	Dibenzo(a,h)anthracene	0.644		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
206-44-0	Fluoranthene	9.85		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
86-73-7	Fluorene	0.400		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
77-47-4	Hexachlorocyclopentadiene	ND	ICVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	2.71		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
78-59-1	Isophorone	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
91-20-3	Naphthalene	0.215		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
621-64-7	N-nitroso-di-n-propylamine	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 7:45 am

Date Received

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
85-01-8	Phenanthrene	6.36		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
108-95-2	Phenol	ND	CCVE	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
129-00-0	Pyrene	9.23		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 20:00	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/31/2023 14:27	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.5 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	58.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	87.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	128 %	S-08	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	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 23:19	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	62.4 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.120	0.191	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0573	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.114	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.194	0.198	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.186	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 7:45 am

Date Received
07/20/2023

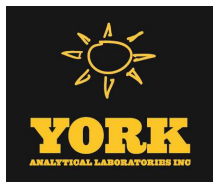
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.181	0.201	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.204	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.206	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.214	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.176	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.135	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.111	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.160	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.210	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.118	0.432	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.158	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.168	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.206	0.209	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.643	0.822	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.816	0.830	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.118	0.865	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:20	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.150	0.385	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.209	0.432	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0670	0.432	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.104	0.432	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.170	0.203	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.643	0.811	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.657	0.865	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.336	0.817	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.266	0.809	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.188	0.817	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.183	0.210	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.134	0.208	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.685	1.08	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.27	5.41	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.62	5.41	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.661	2.16	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.195	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.754	2.16	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.214	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:20	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		133 %	25-150								
Surrogate: M5PFHxA		151 %	25-150								
Surrogate: M4PFHpA		136 %	25-150								
Surrogate: M3PFHxS		118 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		128 %	25-150								
Surrogate: M6PFDA		169 %	25-150								
Surrogate: M7PFUdA		130 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		115 %	25-150								
Surrogate: M2PFTeDA		87.2 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		87.5 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		149 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		146 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		127 %	10-150								



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 7:45 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	170 %			25-150						
	Surrogate: d5-N-EtFOSAA	185 %			25-150						
	Surrogate: M2-6:2 FTS	178 %			25-200						
	Surrogate: M2-8:2 FTS	152 %			25-200						
	Surrogate: M9PFNA	103 %			25-150						
	Surrogate: M2-4:2 FTS	165 %			25-150						
	Surrogate: d-N-MeFOSA	96.1 %			25-150						
	Surrogate: d-N-EtFOSA	72.8 %			25-150						
	Surrogate: M3HFPO-DA	133 %			25-150						
	Surrogate: d9-N-EtFOSE	48.9 %			25-150						
	Surrogate: d7-N-MeFOSE	60.1 %			25-150						

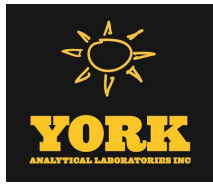
PEST, 8081 MASTER

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	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
50-29-3	4,4'-DDT	0.00261	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/27/2023 22:30	07/28/2023 22:26	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:26	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications:	07/27/2023 22:30	07/28/2023 22:26	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	131 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.6 %	30-150							

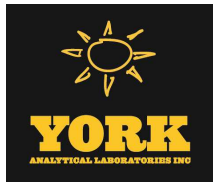
PCB, 8082 MASTER

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	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 19:17	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	07/27/2023 22:30	07/28/2023 19:17	BCJ



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 7:45 am

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	91.5 %			30-120					

HERB, 8151 MASTER

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	0.0216	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:29	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:29	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:29	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	39.0 %			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	5950		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-36-0	Antimony	6.49		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-38-2	Arsenic	21.3		mg/kg dry	1.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-39-3	Barium	125		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-41-7	Beryllium	0.330		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.273	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-70-2	Calcium	2390		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-47-3	Chromium	19.5	M-CCV 1	mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-48-4	Cobalt	8.23		mg/kg dry	0.364	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-50-8	Copper	198		mg/kg dry	1.82	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 7:45 am

Date Received

07/20/2023

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
7439-89-6	Iron	24100		mg/kg dry	22.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7439-92-1	Lead	677		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7439-95-4	Magnesium	1420		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7439-96-5	Manganese	298		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-02-0	Nickel	17.5		mg/kg dry	0.906	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-09-7	Potassium	709		mg/kg dry	4.55	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-22-4	Silver	ND		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-23-5	Sodium	312		mg/kg dry	45.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-28-0	Thallium	13.1		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-62-2	Vanadium	22.8		mg/kg dry	0.906	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG
7440-66-6	Zinc	121		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:04	CEG

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	1.60		mg/kg dry	0.0328	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.546	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 08:30	07/26/2023 15:35	SMK

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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ClientServices@



Sample Information

Client Sample ID: SB11_3-5

York Sample ID: 23G1202-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 7:45 am

07/20/2023

16065-83-1 * Chromium, Trivalent 19.5 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/31/2023 09:46 VR
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	0.546	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:37	07/27/2023 17:03	SL

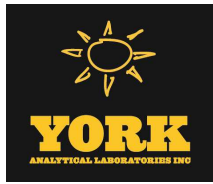
Total Solids

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	91.6		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/26/2023 07:36	07/26/2023 15:12	sgs



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:00 am

07/20/2023

VOA, 8260 MASTER

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	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE, ICVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 14:12	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
75-34-3	1,1-Dichloroethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 14:12	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 8:00 am

Date Received
07/20/2023

VOA, 8260 MASTER

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	0.048	0.097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 14:12	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 8:00 am

Date Received
07/20/2023

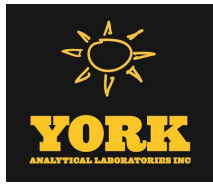
VOA, 8260 MASTER

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	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
110-82-7	Cyclohexane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:12	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:12	BMC



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 8:00 am

Date Received

07/20/2023

VOA, 8260 MASTER

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	CCVE, QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP							
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI							
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:12	BMC
				Certifications: CTDOH-PH-0723,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	106 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %	76-130								

SVOA, 8270 MASTER

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	0.0494	0.0985	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: NELAC-NY10854,PADEP			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	08/02/2023 14:19	08/04/2023 17:09	KH
								Certifications: NELAC-NY10854,PADEP			



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:00 am

07/20/2023

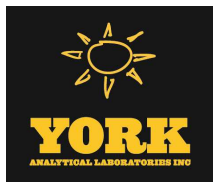
SVOA, 8270 MASTER

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	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

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Soil

July 20, 2023 8:00 am

07/20/2023

SVOA, 8270 MASTER

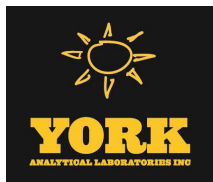
Log-in Notes:

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	CAL-E	mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
83-32-9	Acenaphthene	0.109		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
62-53-3	Aniline	ND		mg/kg dry	0.197	0.395	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
120-12-7	Anthracene	0.246		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.197	0.395	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
56-55-3	Benzo(a)anthracene	0.522		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
50-32-8	Benzo(a)pyrene	0.436		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
205-99-2	Benzo(b)fluoranthene	0.399		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
191-24-2	Benzo(g,h,i)perylene	0.286		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
207-08-9	Benzo(k)fluoranthene	0.354		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH





Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

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Soil

July 20, 2023 8:00 am

07/20/2023

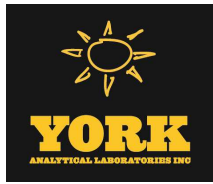
SVOA, 8270 MASTER

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	0.0985	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
86-74-8	Carbazole	0.131		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
218-01-9	Chrysene	0.486		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
53-70-3	Dibenzo(a,h)anthracene	0.0662	J	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
132-64-9	Dibenzofuran	0.0898	J	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
206-44-0	Fluoranthene	1.37		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
86-73-7	Fluorene	0.127		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.332		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
91-20-3	Naphthalene	0.0992		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 8:00 am

Date Received

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
85-01-8	Phenanthrene	1.28		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
108-95-2	Phenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
129-00-0	Pyrene	1.15		mg/kg dry	0.0494	0.0985	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.395	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 17:09	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.1 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	60.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	72.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.6 %	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	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 21:50	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	61.3 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.130	0.207	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0620	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.123	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.209	0.214	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.201	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:00 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.195	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.221	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.223	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.232	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.191	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.146	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.120	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.173	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.227	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.127	0.468	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.171	0.234	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.181	0.234	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.223	0.226	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.696	0.889	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.883	0.898	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.127	0.936	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 03:48	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.163	0.416	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.226	0.468	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	0.0902	J	ug/kg dry	0.0725	0.468	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.112	0.468	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.184	0.220	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 8:00 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.696	0.877	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.711	0.936	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.364	0.884	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.288	0.875	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.204	0.884	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.198	0.227	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.145	0.225	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.742	1.17	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.45	5.85	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.75	5.85	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.715	2.34	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.211	0.234	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.815	2.34	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.232	0.234	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 03:48	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		50.4 %	25-150								
Surrogate: M5PFHxA		77.8 %	25-150								
Surrogate: M4PFHpA		93.6 %	25-150								
Surrogate: M3PFHxS		114 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		96.8 %	25-150								
Surrogate: M6PFDA		89.2 %	25-150								
Surrogate: M7PFUDa		86.7 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		74.3 %	25-150								
Surrogate: M2PFTeDA		51.6 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.648 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		93.6 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic a		1.41 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		96.9 %	10-150								



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

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July 20, 2023 8:00 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	106 %			25-150						
	Surrogate: d5-N-EtFOSAA	93.2 %			25-150						
	Surrogate: M2-6:2 FTS	81.5 %			25-200						
	Surrogate: M2-8:2 FTS	127 %			25-200						
	Surrogate: M9PFNA	87.1 %			25-150						
	Surrogate: M2-4:2 FTS	61.0 %			25-150						
	Surrogate: d-N-MeFOSA	62.1 %			25-150						
	Surrogate: d-N-EtFOSA	43.9 %			25-150						
	Surrogate: M3HFPO-DA	80.0 %			25-150						
	Surrogate: d9-N-EtFOSE	44.8 %			25-150						
	Surrogate: d7-N-MeFOSE	61.6 %			25-150						

PEST, 8081 MASTER

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	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/03/2023 08:50	08/03/2023 23:49	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

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Soil

July 20, 2023 8:00 am

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PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.194	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/03/2023 23:49	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0389	5	EPA 8081B Certifications:	08/03/2023 08:50	08/03/2023 23:49	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	96.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.1 %	30-150							

PCB, 8082 MASTER

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	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:52	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications:	08/03/2023 08:50	08/04/2023 00:52	BCJ



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

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Date Received

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PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %			30-120					

HERB, 8151 MASTER

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	0.0233	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 20:54	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0233	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 20:54	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0233	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 20:54	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	49.8 %			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	5040		mg/kg dry	4.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-36-0	Antimony	4.59		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-38-2	Arsenic	6.34		mg/kg dry	1.48	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-39-3	Barium	43.0		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-41-7	Beryllium	0.089		mg/kg dry	0.050	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.295	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-70-2	Calcium	4300		mg/kg dry	4.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-47-3	Chromium	10.6		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-48-4	Cobalt	5.54		mg/kg dry	0.393	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-50-8	Copper	16.1		mg/kg dry	1.97	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG



Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 8:00 am

Date Received

07/20/2023

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
7439-89-6	Iron	11000		mg/kg dry	24.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7439-92-1	Lead	33.6		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7439-95-4	Magnesium	2100		mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7439-96-5	Manganese	368		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-02-0	Nickel	9.36		mg/kg dry	0.981	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-09-7	Potassium	644		mg/kg dry	4.93	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-22-4	Silver	ND		mg/kg dry	0.496	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-23-5	Sodium	119		mg/kg dry	49.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-28-0	Thallium	5.15		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-62-2	Vanadium	14.0		mg/kg dry	0.981	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG
7440-66-6	Zinc	73.7		mg/kg dry	2.45	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:45	CEG

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	0.0697		mg/kg dry	0.0354	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.591	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

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Sample Information

Client Sample ID: SB11_7-9

York Sample ID: 23G1202-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:00 am

07/20/2023

16065-83-1 * Chromium, Trivalent 10.6 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 16:58 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	0.591	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:54	08/03/2023 15:14	JAMT

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	84.6		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/04/2023 08:17	08/04/2023 16:08	PMB



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

VOA, 8260 MASTER

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	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE, ICVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 11:59	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
75-34-3	1,1-Dichloroethane	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 11:59	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

VOA, 8260 MASTER

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	0.067	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 11:59	BMC
78-93-3	2-Butanone	0.0035	J	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
67-64-1	Acetone	0.030		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC





Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

VOA, 8260 MASTER

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	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
110-82-7	Cyclohexane	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 11:59	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 11:59	BMC



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

VOA, 8260 MASTER

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	CCVE, QL-02	mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C	07/26/2023 08:02	07/26/2023 11:59	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	106 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %	76-130								

SVOA, 8270 MASTER

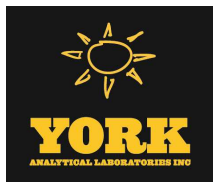
Log-in Notes:

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
92-52-4	1,1-Biphenyl	0.745		mg/kg dry	0.0876	0.175	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.175	0.349	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	07/27/2023 11:10	07/28/2023 11:54	KH
								Certifications:	NELAC-NY10854,PADEP		





Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

SVOA, 8270 MASTER

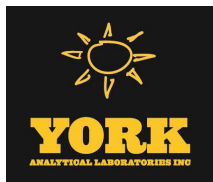
Log-in Notes:

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
105-67-9	2,4-Dimethylphenol	0.133	J, CAL-E	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
91-57-6	2-Methylnaphthalene	3.07		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
95-48-7	2-Methylphenol	0.0895	J	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
65794-96-9	3- & 4-Methylphenols	0.180		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH





Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
83-32-9	Acenaphthene	6.11		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
208-96-8	Acenaphthylene	2.26		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
62-53-3	Aniline	ND		mg/kg dry	0.350	0.700	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
120-12-7	Anthracene	13.5		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
92-87-5	Benzidine	ND		mg/kg dry	0.350	0.700	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
56-55-3	Benzo(a)anthracene	20.4		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
50-32-8	Benzo(a)pyrene	22.5		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
205-99-2	Benzo(b)fluoranthene	22.8		mg/kg dry	2.19	4.37	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 19:29	KH
191-24-2	Benzo(g,h,i)perylene	12.3		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
207-08-9	Benzo(k)fluoranthene	8.57		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH





Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.175	0.349	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
86-74-8	Carbazole	5.45		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
218-01-9	Chrysene	20.0		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
53-70-3	Dibenzo(a,h)anthracene	3.12		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
132-64-9	Dibenzofuran	5.08		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
206-44-0	Fluoranthene	51.2		mg/kg dry	2.19	4.37	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 19:29	KH
86-73-7	Fluorene	6.68		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
193-39-5	Indeno(1,2,3-cd)pyrene	14.1		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
91-20-3	Naphthalene	5.51		mg/kg dry	0.438	0.874	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 18:58	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
85-01-8	Phenanthrene	52.3		mg/kg dry	2.19	4.37	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 19:29	KH
108-95-2	Phenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
129-00-0	Pyrene	46.4		mg/kg dry	2.19	4.37	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 19:29	KH
110-86-1	Pyridine	ND		mg/kg dry	0.350	0.700	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 11:54	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	45.5 %									
13127-88-3	Surrogate: SURR: Phenol-d6	75.6 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.8 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.2 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	8.94 %	S-08								
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.4 %									

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 Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 23:36	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	53.7 %								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.154	0.246	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0737	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.146	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.249	0.255	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.239	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ



Sample Information

Client Sample ID: SB10_1-3

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Soil

July 20, 2023 8:50 am

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.232	0.259	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.263	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.266	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.275	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.227	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.174	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.143	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.206	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.270	0.278	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.152	0.557	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.203	0.278	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.216	0.278	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.266	0.269	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.828	1.06	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.05	1.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.152	1.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:32	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.193	0.495	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.269	0.557	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0863	0.557	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.134	0.557	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.218	0.262	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ





Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.
23G1202

Client Project ID
100964201

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Collection Date/Time
July 20, 2023 8:50 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.828	1.04	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.846	1.11	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.433	1.05	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.342	1.04	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.242	1.05	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.235	0.270	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.173	0.267	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.882	1.39	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.92	6.96	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.09	6.96	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.850	2.78	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.250	0.278	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.970	2.78	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.275	0.278	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:32	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	152 %	25-150
Surrogate: M5PFHxA	132 %	25-150
Surrogate: M4PFHpA	113 %	25-150
Surrogate: M3PFHxS	148 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	112 %	25-150
Surrogate: M6PFDA	126 %	25-150
Surrogate: M7PFUdA	129 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	107 %	25-150
Surrogate: M2PFTeDA	102 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	15.8 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	140 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic ac	94.2 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfo	120 %	10-150



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

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23G1202

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100964201

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July 20, 2023 8:50 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	139 %			25-150						
	Surrogate: d5-N-EtFOSAA	129 %			25-150						
	Surrogate: M2-6:2 FTS	361 %			25-200						
	Surrogate: M2-8:2 FTS	290 %			25-200						
	Surrogate: M9PFNA	138 %			25-150						
	Surrogate: M2-4:2 FTS	191 %			25-150						
	Surrogate: d-N-MeFOSA	150 %			25-150						
	Surrogate: d-N-EtFOSA	74.8 %			25-150						
	Surrogate: M3HFPO-DA	126 %			25-150						
	Surrogate: d9-N-EtFOSE	76.6 %			25-150						
	Surrogate: d7-N-MeFOSE	87.6 %			25-150						

PEST, 8081 MASTER

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	0.00239		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
72-55-9	4,4'-DDE	0.00261		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
5103-71-9	alpha-Chlordane	0.00283		mg/kg dry	0.00230	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/27/2023 22:30	07/28/2023 22:44	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ



Sample Information

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Soil

July 20, 2023 8:50 am

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PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
5566-34-7	gamma-Chlordane [2C]	0.00236		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.230	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 22:44	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0460	5	EPA 8081B Certifications:	07/27/2023 22:30	07/28/2023 22:44	BCJ
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	121 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	22.2 %	S-08, S-GC				30-150			

PCB, 8082 MASTER

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	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:08	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0232	1	EPA 8082A Certifications:	07/27/2023 22:30	07/28/2023 20:08	BCJ





Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 8:50 am

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	67.0 %			30-120					

HERB, 8151 MASTER

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	0.0272	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:40	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0272	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:40	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0272	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:40	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	33.8 %			21-150					

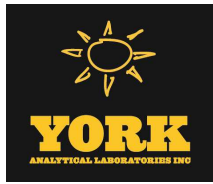
Metals, Target Analyte

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	8360		mg/kg dry	5.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-36-0	Antimony	5.83		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-38-2	Arsenic	14.5		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-39-3	Barium	99.9		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-41-7	Beryllium	0.274		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.351	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-70-2	Calcium	38100		mg/kg dry	5.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-47-3	Chromium	39.9	M-CCV 1	mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-48-4	Cobalt	9.06		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-50-8	Copper	69.8		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

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
7439-89-6	Iron	23800		mg/kg dry	29.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7439-92-1	Lead	300		mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7439-95-4	Magnesium	10300		mg/kg dry	5.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7439-96-5	Manganese	400		mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-02-0	Nickel	25.8		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-09-7	Potassium	1270		mg/kg dry	5.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-22-4	Silver	ND		mg/kg dry	0.589	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-23-5	Sodium	716		mg/kg dry	58.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-28-0	Thallium	10.8		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-62-2	Vanadium	30.4		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG
7440-66-6	Zinc	141		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:07	CEG

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	0.927		mg/kg dry	0.0421	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.701	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 15:21	07/26/2023 20:45	NJO

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

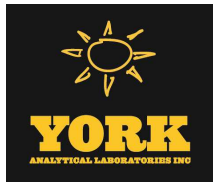
RICHMOND HILL, NY 11418

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ClientServices@



Sample Information

Client Sample ID: SB10_1-3

York Sample ID: 23G1202-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 8:50 am

07/20/2023

16065-83-1 * Chromium, Trivalent 39.9 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/31/2023 09:46 VR
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	1.05		mg/kg dry	0.701	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:37	07/27/2023 17:03	SL

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	71.3		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/26/2023 07:36	07/26/2023 15:12	sgs



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

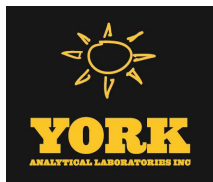
VOA, 8260 MASTER

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	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE, ICVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 14:39	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
75-34-3	1,1-Dichloroethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 14:39	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

VOA, 8260 MASTER

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	0.038	0.076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 14:39	BMC
78-93-3	2-Butanone	0.0087		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
67-64-1	Acetone	0.089		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

VOA, 8260 MASTER

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	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
110-82-7	Cyclohexane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
79-20-9	Methyl acetate	0.0044		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 14:39	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 14:39	BMC





Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 9:00 am

Date Received
07/20/2023

VOA, 8260 MASTER

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	CCVE, QL-02	mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0019	0.0038	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	07/26/2023 08:02	07/26/2023 14:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	106 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	08/08/2023 08:43	08/09/2023 11:00	KH
								Certifications:	NELAC-NY10854,PADEP		



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

SVOA, 8270 MASTER

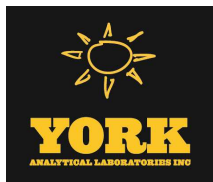
Log-in Notes:

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH





Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
83-32-9	Acenaphthene	0.260		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
120-12-7	Anthracene	0.601		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
56-55-3	Benzo(a)anthracene	1.52		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
50-32-8	Benzo(a)pyrene	2.75		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
205-99-2	Benzo(b)fluoranthene	2.73		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
191-24-2	Benzo(g,h,i)perylene	2.05		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
207-08-9	Benzo(k)fluoranthene	0.931		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

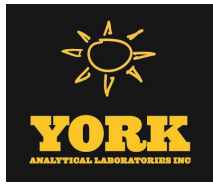
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
86-74-8	Carbazole	0.221		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
218-01-9	Chrysene	1.51		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
53-70-3	Dibenzo(a,h)anthracene	0.591		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
132-64-9	Dibenzofuran	0.0807	J	mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
206-44-0	Fluoranthene	2.93		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
86-73-7	Fluorene	0.223		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	2.49		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 9:00 am

Date Received

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
85-01-8	Phenanthrene	2.00		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
129-00-0	Pyrene	2.28		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/08/2023 08:43	08/09/2023 11:00	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	66.0 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	61.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	106 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.1 %	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	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 22:07	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	51.8 %	39-127.5							

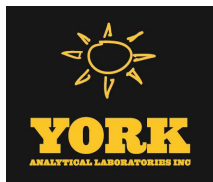
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.122	0.194	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0582	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.115	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.197	0.201	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.189	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

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Matrix

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23G1202

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Soil

July 20, 2023 9:00 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.183	0.204	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.208	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.210	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.179	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.137	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.113	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.163	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.213	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.120	0.439	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.160	0.220	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.170	0.220	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.210	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.654	0.835	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.829	0.844	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.120	0.879	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:36	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.153	0.391	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.212	0.439	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0681	0.439	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.105	0.439	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.172	0.207	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ





Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.
23G1202

Client Project ID
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Collection Date/Time
July 20, 2023 9:00 am

Date Received
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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.654	0.824	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.668	0.879	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.342	0.830	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.270	0.822	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.191	0.830	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.186	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.136	0.211	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.696	1.10	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.30	5.49	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.65	5.49	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.671	2.20	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.198	0.220	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.766	2.20	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:36	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		44.9 %	25-150								
Surrogate: M5PFHxA		75.1 %	25-150								
Surrogate: M4PFHpA		86.1 %	25-150								
Surrogate: M3PFHxS		98.4 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		92.6 %	25-150								
Surrogate: M6PFDA		98.3 %	25-150								
Surrogate: M7PFUdA		92.3 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		79.0 %	25-150								
Surrogate: M2PFTeDA		42.8 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.735 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		89.4 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		1.44 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfor		107 %	10-150								



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 9:00 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	114 %			25-150						
	Surrogate: d5-N-EtFOSAA	119 %			25-150						
	Surrogate: M2-6:2 FTS	64.3 %			25-200						
	Surrogate: M2-8:2 FTS	92.6 %			25-200						
	Surrogate: M9PFNA	96.1 %			25-150						
	Surrogate: M2-4:2 FTS	52.4 %			25-150						
	Surrogate: d-N-MeFOSA	45.6 %			25-150						
	Surrogate: d-N-EtFOSA	38.6 %			25-150						
	Surrogate: M3HFPO-DA	67.4 %			25-150						
	Surrogate: d9-N-EtFOSE	34.0 %			25-150						
	Surrogate: d7-N-MeFOSE	47.9 %			25-150						

PEST, 8081 MASTER

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	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/03/2023 08:50	08/04/2023 00:06	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

23G1202

Client Project ID

100964201

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Soil

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July 20, 2023 9:00 am

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 00:06	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0366	5	EPA 8081B Certifications:	08/03/2023 08:50	08/04/2023 00:06	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	86.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.0 %	30-150							

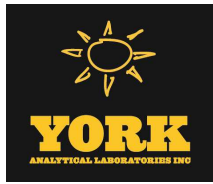
PCB, 8082 MASTER

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	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:05	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	08/03/2023 08:50	08/04/2023 01:05	BCJ



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 9:00 am

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	42.5 %			30-120					

HERB, 8151 MASTER

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	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 15:29	08/09/2023 02:22	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 15:29	08/09/2023 02:22	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 15:29	08/09/2023 02:22	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	69.4 %			21-150					

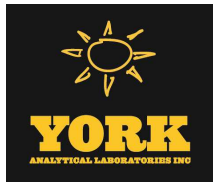
Metals, Target Analyte

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	5450		mg/kg dry	4.63	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-38-2	Arsenic	7.87		mg/kg dry	1.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-39-3	Barium	58.4		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-41-7	Beryllium	0.111		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-70-2	Calcium	56200		mg/kg dry	4.63	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-47-3	Chromium	18.0		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-48-4	Cobalt	5.20		mg/kg dry	0.370	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-50-8	Copper	20.7		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG



Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 9:00 am

Date Received

07/20/2023

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
7439-89-6	Iron	11100		mg/kg dry	23.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7439-92-1	Lead	61.9		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7439-95-4	Magnesium	14900		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7439-96-5	Manganese	215		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-02-0	Nickel	12.2		mg/kg dry	0.923	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-09-7	Potassium	864		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7782-49-2	Selenium	3.90		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-22-4	Silver	ND		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-23-5	Sodium	453		mg/kg dry	46.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-28-0	Thallium	7.91		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-62-2	Vanadium	22.1		mg/kg dry	0.923	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG
7440-66-6	Zinc	44.7		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:47	CEG

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	0.276		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.556	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE STRATFORD, CT 06615

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Sample Information

Client Sample ID: SB10_5-7

York Sample ID: 23G1202-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 9:00 am

07/20/2023

16065-83-1 * Chromium, Trivalent 18.0 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 16:58 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	0.556	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:54	08/03/2023 15:14	JAMT

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	90.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/04/2023 08:17	08/04/2023 16:08	PMB



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

VOA, 8260 MASTER

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	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE, ICVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 12:26	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
75-34-3	1,1-Dichloroethane	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 12:26	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

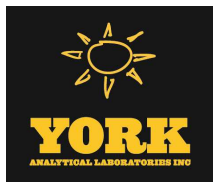
VOA, 8260 MASTER

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	0.035	0.070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 12:26	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
67-64-1	Acetone	0.013		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

VOA, 8260 MASTER

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	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
110-82-7	Cyclohexane	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 12:26	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 12:26	BMC





Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

VOA, 8260 MASTER

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	CCVE, QL-02	mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0018	0.0035	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	07/26/2023 08:02	07/26/2023 12:26	BMC
								Certifications:	CTDOH-PH-0723,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	108 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.338	0.675	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.675	1.35	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.338	0.675	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D	07/27/2023 11:10	07/28/2023 12:24	KH
								Certifications:	NELAC-NY10854,PADEP		



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

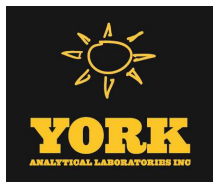
SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
83-32-9	Acenaphthene	0.432	J	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
62-53-3	Aniline	ND		mg/kg dry	1.35	2.70	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
120-12-7	Anthracene	1.09		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
92-87-5	Benzidine	ND		mg/kg dry	1.35	2.70	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
56-55-3	Benzo(a)anthracene	1.81		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
50-32-8	Benzo(a)pyrene	1.97		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
205-99-2	Benzo(b)fluoranthene	2.26		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
191-24-2	Benzo(g,h,i)perylene	1.28	CAL-E	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
207-08-9	Benzo(k)fluoranthene	0.831		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH





Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

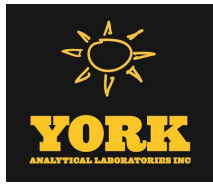
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.675	1.35	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
86-74-8	Carbazole	0.388	J	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
218-01-9	Chrysene	1.63		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
132-64-9	Dibenzofuran	0.340	J	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
206-44-0	Fluoranthene	4.55		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
86-73-7	Fluorene	0.459	J	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.69		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
78-59-1	Isophorone	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
91-20-3	Naphthalene	0.378	J	mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
85-01-8	Phenanthrene	4.22		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
108-95-2	Phenol	ND		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
129-00-0	Pyrene	3.30		mg/kg dry	0.338	0.675	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
110-86-1	Pyridine	ND		mg/kg dry	1.35	2.70	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:24	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	76.2 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	72.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.9 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.0 %	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	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 23:53	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.7 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.120	0.191	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	0.153	J	ug/kg dry	0.0572	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.113	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.193	0.197	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.185	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ





Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.180	0.201	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.204	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.206	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.214	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.176	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.135	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.111	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.160	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.209	0.216	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.118	0.431	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.157	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.167	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.206	0.208	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.642	0.820	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.814	0.828	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.118	0.863	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 15:44	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.150	0.384	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.208	0.431	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0669	0.431	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.104	0.431	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.169	0.203	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.642	0.809	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.656	0.863	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.335	0.815	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.265	0.807	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.188	0.815	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.182	0.209	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.134	0.207	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.684	1.08	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.26	5.39	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.62	5.39	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.659	2.16	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.194	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.752	2.16	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.214	0.216	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 15:44	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		121 %	25-150								
Surrogate: M5PFHxA		171 %	25-150								
Surrogate: M4PFHpA		158 %	25-150								
Surrogate: M3PFHxS		121 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		142 %	25-150								
Surrogate: M6PFDA		133 %	25-150								
Surrogate: M7PFUdA		114 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		122 %	25-150								
Surrogate: M2PFTeDA		114 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		140 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		157 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		167 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		117 %	10-150								



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 11:20 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	206 %			25-150						
	Surrogate: d5-N-EtFOSAA	235 %			25-150						
	Surrogate: M2-6:2 FTS	244 %			25-200						
	Surrogate: M2-8:2 FTS	293 %			25-200						
	Surrogate: M9PFNA	136 %			25-150						
	Surrogate: M2-4:2 FTS	137 %			25-150						
	Surrogate: d-N-MeFOSA	79.7 %			25-150						
	Surrogate: d-N-EtFOSA	40.6 %			25-150						
	Surrogate: M3HFPO-DA	152 %			25-150						
	Surrogate: d9-N-EtFOSE	71.3 %			25-150						
	Surrogate: d7-N-MeFOSE	78.6 %			25-150						

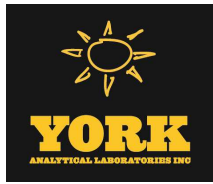
PEST, 8081 MASTER

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	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
50-29-3	4,4'-DDT	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/27/2023 22:30	07/28/2023 23:02	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

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Matrix

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23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
1024-57-3	Heptachlor epoxide	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:02	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B Certifications:	07/27/2023 22:30	07/28/2023 23:02	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	87.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.1 %	30-150							

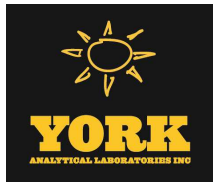
PCB, 8082 MASTER

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	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:24	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	07/27/2023 22:30	07/28/2023 20:24	BCJ



Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

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23G1202

100964201

Soil

July 20, 2023 11:20 am

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PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	61.5 %		30-120						

HERB, 8151 MASTER

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	0.0212	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:51	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:51	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 02:51	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	18.8 %	S-04, S-08	21-150						

Metals, Target Analyte

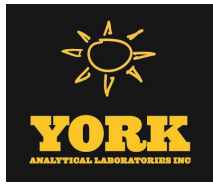
Log-in Notes:

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	9790		mg/kg dry	4.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-36-0	Antimony	3.15		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-38-2	Arsenic	13.4		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-39-3	Barium	119		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-41-7	Beryllium	0.310		mg/kg dry	0.045	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.271	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-70-2	Calcium	43600		mg/kg dry	4.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-47-3	Chromium	21.0	M-CCV 1	mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-48-4	Cobalt	9.01		mg/kg dry	0.361	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-50-8	Copper	48.5		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG





Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

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
7439-89-6	Iron	26100		mg/kg dry	22.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7439-92-1	Lead	117		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7439-95-4	Magnesium	6320		mg/kg dry	4.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7439-96-5	Manganese	651		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-02-0	Nickel	22.6		mg/kg dry	0.899	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-09-7	Potassium	1420		mg/kg dry	4.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-22-4	Silver	ND		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-23-5	Sodium	661		mg/kg dry	45.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-28-0	Thallium	13.9		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-62-2	Vanadium	45.9		mg/kg dry	0.899	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG
7440-66-6	Zinc	125		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 18:07	07/29/2023 12:09	CEG

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	0.177		mg/kg dry	0.0325	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.541	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 15:21	07/26/2023 20:45	NJO

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

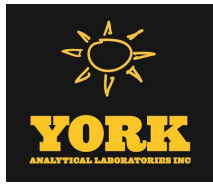
RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB09_0-2

York Sample ID: 23G1202-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:20 am

07/20/2023

16065-83-1 * Chromium, Trivalent 21.0 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/31/2023 09:46 VR
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	0.758		mg/kg dry	0.541	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:37	07/27/2023 17:03	SL

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	92.4		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/26/2023 07:36	07/26/2023 15:12	sgs



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

VOA, 8260 MASTER

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	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE, ICVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 15:06	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
75-34-3	1,1-Dichloroethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 15:06	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

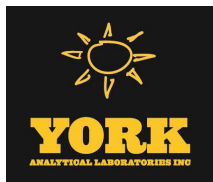
VOA, 8260 MASTER

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	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 08:02	07/26/2023 15:06	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
67-64-1	Acetone	0.034		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
71-43-2	Benzene	0.0046	J	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

VOA, 8260 MASTER

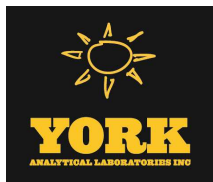
Log-in Notes:

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	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
110-82-7	Cyclohexane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 08:02	07/26/2023 15:06	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 08:02	07/26/2023 15:06	BMC





Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

VOA, 8260 MASTER

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	CCVE, QL-02	mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	07/26/2023 08:02	07/26/2023 15:06	BMC
								Certifications:	CTDOH-PH-0723,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	108 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %	76-130								

SVOA, 8270 MASTER

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	0.224	0.447	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.447	0.894	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.224	0.447	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D	08/02/2023 14:19	08/04/2023 18:09	KH
								Certifications:	NELAC-NY10854,PADEP		





Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

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July 20, 2023 11:30 am

07/20/2023

SVOA, 8270 MASTER

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	0.447	0.894	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.447	0.894	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.447	0.894	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.447	0.894	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.447	0.894	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

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07/20/2023

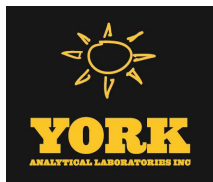
SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.447	0.894	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.447	0.894	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
62-53-3	Aniline	ND		mg/kg dry	0.896	1.79	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
120-12-7	Anthracene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.896	1.79	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
56-55-3	Benzo(a)anthracene	0.286	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
50-32-8	Benzo(a)pyrene	0.293	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
205-99-2	Benzo(b)fluoranthene	0.283	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
191-24-2	Benzo(g,h,i)perylene	0.258	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
207-08-9	Benzo(k)fluoranthene	0.240	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

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23G1202

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Soil

July 20, 2023 11:30 am

07/20/2023

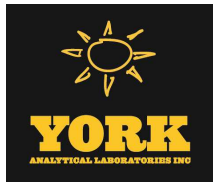
SVOA, 8270 MASTER

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	0.447	0.894	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
86-74-8	Carbazole	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
218-01-9	Chrysene	0.261	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
206-44-0	Fluoranthene	0.429	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
86-73-7	Fluorene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
78-59-1	Isophorone	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
108-95-2	Phenol	ND		mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
129-00-0	Pyrene	0.440	J	mg/kg dry	0.224	0.447	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
110-86-1	Pyridine	ND		mg/kg dry	0.896	1.79	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 18:09	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	58.2 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	53.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	65.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.8 %	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 Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 22:24	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.3 %	39-127.5							

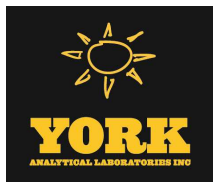
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.118	0.189	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0565	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.112	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.191	0.195	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.183	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

100964201

Soil

July 20, 2023 11:30 am

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.178	0.198	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.201	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.204	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.211	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.174	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.133	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.110	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.158	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.207	0.213	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.116	0.426	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.156	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.165	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.204	0.206	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.634	0.810	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.805	0.819	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.116	0.853	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 04:53	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.148	0.380	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.206	0.426	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0661	0.426	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.102	0.426	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.167	0.200	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

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23G1202

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Soil

July 20, 2023 11:30 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.634	0.800	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.648	0.853	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.332	0.806	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.262	0.797	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.185	0.806	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.180	0.207	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.132	0.205	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.676	1.07	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.24	5.33	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.60	5.33	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.651	2.13	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.192	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.743	2.13	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.211	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 04:53	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		91.2 %	25-150								
Surrogate: M5PFHxA		100 %	25-150								
Surrogate: M4PFHpA		88.6 %	25-150								
Surrogate: M3PFHxS		104 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		107 %	25-150								
Surrogate: M6PFDA		97.0 %	25-150								
Surrogate: M7PFUdA		98.9 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		88.4 %	25-150								
Surrogate: M2PFTeDA		65.9 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.939 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		103 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		5.78 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		113 %	10-150								



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

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23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	137 %			25-150						
	Surrogate: d5-N-EtFOSAA	161 %			25-150						
	Surrogate: M2-6:2 FTS	126 %			25-200						
	Surrogate: M2-8:2 FTS	187 %			25-200						
	Surrogate: M9PFNA	84.1 %			25-150						
	Surrogate: M2-4:2 FTS	89.3 %			25-150						
	Surrogate: d-N-MeFOSA	64.4 %			25-150						
	Surrogate: d-N-EtFOSA	51.6 %			25-150						
	Surrogate: M3HFPO-DA	107 %			25-150						
	Surrogate: d9-N-EtFOSE	43.3 %			25-150						
	Surrogate: d7-N-MeFOSE	55.6 %			25-150						

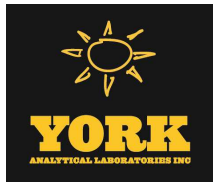
PEST, 8081 MASTER

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	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
72-55-9	4,4'-DDE	0.00374		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
50-29-3	4,4'-DDT	0.00436	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
5103-71-9	alpha-Chlordane	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
319-86-8	delta-BHC	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/03/2023 08:50	08/04/2023 16:19	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 11:30 am

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
1024-57-3	Heptachlor epoxide	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 16:19	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B Certifications:	08/03/2023 08:50	08/04/2023 16:19	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	96.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.1 %	30-150							

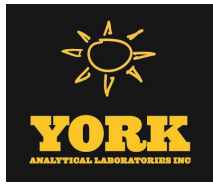
PCB, 8082 MASTER

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	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:50	08/04/2023 01:19	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/03/2023 08:50	08/04/2023 01:19	BCJ



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 11:30 am

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	47.5 %			30-120					

HERB, 8151 MASTER

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	0.0214	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/07/2023 12:19	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/07/2023 12:19	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/07/2023 12:19	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	21.0 %			21-150					

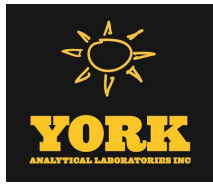
Metals, Target Analyte

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	8230		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-38-2	Arsenic	11.2		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-39-3	Barium	74.3		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-41-7	Beryllium	0.115		mg/kg dry	0.045	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.269	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-70-2	Calcium	48800		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-47-3	Chromium	16.0		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-48-4	Cobalt	6.67		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-50-8	Copper	32.4		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG



Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

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
7439-89-6	Iron	14300		mg/kg dry	22.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7439-92-1	Lead	89.9		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7439-95-4	Magnesium	5940		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7439-96-5	Manganese	249		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-02-0	Nickel	17.4		mg/kg dry	0.894	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-09-7	Potassium	1750		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-22-4	Silver	ND		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-23-5	Sodium	638		mg/kg dry	44.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-28-0	Thallium	6.80		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-62-2	Vanadium	34.8		mg/kg dry	0.894	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG
7440-66-6	Zinc	52.8		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:50	CEG

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	0.102		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.538	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

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Sample Information

Client Sample ID: SB09_3-5

York Sample ID: 23G1202-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:30 am

07/20/2023

16065-83-1 * Chromium, Trivalent 16.0 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 16:58 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	0.538	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/03/2023 08:54	08/03/2023 15:14	JAMT

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	92.9		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/04/2023 08:17	08/04/2023 16:08	PMB



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:25 am

07/20/2023

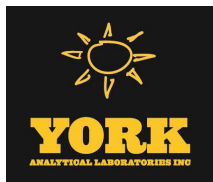
VOA, 8260 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ICVE	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 09:11	07/27/2023 15:40	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 09:11	07/27/2023 15:40	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

Client Project ID

Matrix

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23G1202

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July 20, 2023 11:25 am

07/20/2023

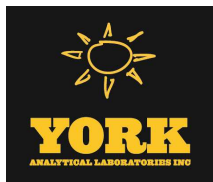
VOA, 8260 MASTER

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 Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 09:11	07/27/2023 15:40	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
67-64-1	Acetone	0.022	CCVE	mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

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23G1202

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VOA, 8260 MASTER

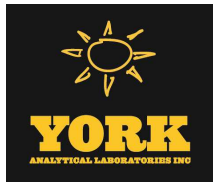
Log-in Notes:

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC





Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

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23G1202

100964201

Soil

July 20, 2023 11:25 am

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 09:11	07/27/2023 15:40	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 09:11	07/27/2023 15:40	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 09:11	07/27/2023 15:40	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %	76-130								

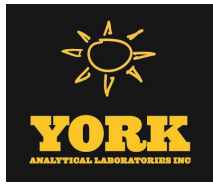
SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

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23G1202

100964201

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July 20, 2023 11:25 am

07/20/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

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23G1202

100964201

Soil

July 20, 2023 11:25 am

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
62-53-3	Aniline	ND		mg/kg dry	1.76	3.52	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
120-12-7	Anthracene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
92-87-5	Benzidine	ND		mg/kg dry	1.76	3.52	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
56-55-3	Benzo(a)anthracene	0.745	J	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
50-32-8	Benzo(a)pyrene	0.836	J	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
205-99-2	Benzo(b)fluoranthene	0.956		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
191-24-2	Benzo(g,h,i)perylene	0.597	J, CAL-E	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH



Sample Information

Client Sample ID: DUP02_072023

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100964201

Soil

July 20, 2023 11:25 am

07/20/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.879	1.76	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
86-74-8	Carbazole	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
218-01-9	Chrysene	0.625	J	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
206-44-0	Fluoranthene	1.39		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
86-73-7	Fluorene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.717	J	mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
78-59-1	Isophorone	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 11:25 am

Date Received

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
85-01-8	Phenanthrene	0.893		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
108-95-2	Phenol	ND		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
129-00-0	Pyrene	1.08		mg/kg dry	0.441	0.879	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
110-86-1	Pyridine	ND		mg/kg dry	1.76	3.52	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:29	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.0 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	69.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	90.8 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.4 %	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	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/28/2023 00:10	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.7 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.119	0.190	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0568	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.113	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.192	0.196	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.184	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ



Sample Information

Client Sample ID: DUP02_072023

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July 20, 2023 11:25 am

Date Received

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.179	0.199	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.203	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.205	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.212	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.175	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.134	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.110	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.159	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.208	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.117	0.429	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.157	0.214	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.166	0.214	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.205	0.207	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.638	0.815	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.810	0.824	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.117	0.858	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 16:21	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.149	0.382	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.207	0.429	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0665	0.429	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.103	0.429	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.168	0.202	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:25 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.638	0.804	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.652	0.858	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.333	0.811	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.264	0.802	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.187	0.811	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.181	0.208	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.133	0.206	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.680	1.07	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.25	5.36	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.61	5.36	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.655	2.14	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.193	0.214	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.747	2.14	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.212	0.214	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 16:21	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		123 %	25-150								
Surrogate: M5PFHxA		147 %	25-150								
Surrogate: M4PFHpA		142 %	25-150								
Surrogate: M3PFHxS		112 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		139 %	25-150								
Surrogate: M6PFDA		88.8 %	25-150								
Surrogate: M7PFUdA		92.4 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		86.9 %	25-150								
Surrogate: M2PFTeDA		72.5 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		124 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		144 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		153 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		114 %	10-150								



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 11:25 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	163 %			25-150						
	Surrogate: d5-N-EtFOSAA	205 %			25-150						
	Surrogate: M2-6:2 FTS	272 %			25-200						
	Surrogate: M2-8:2 FTS	280 %			25-200						
	Surrogate: M9PFNA	107 %			25-150						
	Surrogate: M2-4:2 FTS	146 %			25-150						
	Surrogate: d-N-MeFOSA	50.8 %			25-150						
	Surrogate: d-N-EtFOSA	31.1 %			25-150						
	Surrogate: M3HFPO-DA	140 %			25-150						
	Surrogate: d9-N-EtFOSE	50.7 %			25-150						
	Surrogate: d7-N-MeFOSE	52.4 %			25-150						

PEST, 8081 MASTER

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	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
50-29-3	4,4'-DDT	ND	P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/27/2023 22:30	07/28/2023 23:20	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 20, 2023 11:25 am

Date Received
07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 23:20	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B Certifications:	07/27/2023 22:30	07/28/2023 23:20	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	97.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.8 %	30-150							

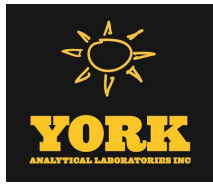
PCB, 8082 MASTER

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	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 22:30	07/28/2023 20:41	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	07/27/2023 22:30	07/28/2023 20:41	BCJ



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

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July 20, 2023 11:25 am

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	68.0 %			30-120					

HERB, 8151 MASTER

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	0.0214	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 03:02	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 03:02	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 03:02	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	30.6 %			21-150					

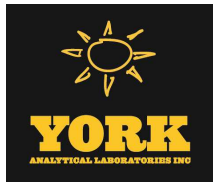
Metals, Target Analyte

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	9240		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-36-0	Antimony	ND		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-38-2	Arsenic	10.4		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-39-3	Barium	97.0		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-41-7	Beryllium	0.424		mg/kg dry	0.045	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.270	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-70-2	Calcium	64300		mg/kg dry	4.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-47-3	Chromium	16.4		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-48-4	Cobalt	7.75		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-50-8	Copper	47.2		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 20, 2023 11:25 am

Date Received

07/20/2023

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
7439-89-6	Iron	17400		mg/kg dry	22.5	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7439-92-1	Lead	106		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7439-95-4	Magnesium	15500		mg/kg dry	4.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7439-96-5	Manganese	336		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-02-0	Nickel	20.2		mg/kg dry	0.895	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-09-7	Potassium	1300	M-CCV 1, B	mg/kg dry	4.50	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-22-4	Silver	ND		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-23-5	Sodium	519		mg/kg dry	45.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-28-0	Thallium	8.64		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-62-2	Vanadium	55.1		mg/kg dry	0.895	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG
7440-66-6	Zinc	108		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:09	CEG

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	0.197		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.539	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 15:21	07/26/2023 20:45	NJO

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

120 RESEARCH DRIVE STRATFORD, CT 06615

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132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@



Sample Information

Client Sample ID: DUP02_072023

York Sample ID: 23G1202-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Soil

July 20, 2023 11:25 am

07/20/2023

16065-83-1 * Chromium, Trivalent 16.4 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/31/2023 09:46 VR
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	0.539	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:37	07/27/2023 17:03	SL

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	92.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/26/2023 07:36	07/26/2023 15:12	sgs



Sample Information

Client Sample ID: EB03_072023

York Sample ID: 23G1202-10

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:30 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.484	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.361	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.732	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.701	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.433	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.845	1.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.536	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.773	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.907	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	2.64		ng/L	0.762	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.711	2.06	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.814	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.06	2.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.237	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.907	2.06	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.938	1.97	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.36	1.99	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.09	7.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.11	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.340	8.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ



Sample Information

Client Sample ID: EB03_072023

York Sample ID: 23G1202-10

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:30 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.515	3.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.20	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.258	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.381	4.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.783	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.84	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.33	8.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.42	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.721	7.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
919005-14-4	ADONA	ND		ng/L	0.546	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:04	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.958	2.00	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.886	1.98	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.09	5.15	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.55	25.8	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.76	25.8	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.11	20.6	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.63	2.06	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.11	20.6	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.85	2.06	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:04	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		117 %	25-150								
Surrogate: M5PFHxA		140 %	25-150								
Surrogate: M4PFHpA		111 %	25-150								
Surrogate: M3PFHxS		120 %	25-150								



Sample Information

Client Sample ID: EB03_072023

York Sample ID: 23G1202-10

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:30 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	113 %			25-150						
	Surrogate: M6PFDA	85.8 %			25-150						
	Surrogate: M7PFUdA	69.2 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	51.7 %			25-150						
	Surrogate: M2PFTeDA	14.7 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	19.3 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	112 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	120 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	122 %			10-150						
	Surrogate: d3-N-MeFOSAA	50.6 %			25-150						
	Surrogate: d5-N-EtFOSAA	54.8 %			25-150						
	Surrogate: M2-6:2 FTS	88.9 %			25-200						
	Surrogate: M2-8:2 FTS	72.7 %			25-200						
	Surrogate: M9PFNA	109 %			25-150						
	Surrogate: M2-4:2 FTS	91.4 %			25-150						
	Surrogate: d-N-MeFOSA	25.4 %			25-150						
	Surrogate: d-N-EtFOSA	28.2 %			25-150						
	Surrogate: M3HFPO-DA	122 %			25-150						
	Surrogate: d9-N-EtFOSE	6.84 %			25-150						
	Surrogate: d7-N-MeFOSE	8.62 %			25-150						



Sample Information

Client Sample ID: TB03_072023

York Sample ID: 23G1202-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

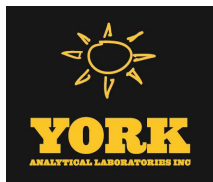
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 06:45	07/26/2023 17:31	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG



Sample Information

Client Sample ID: TB03_072023

York Sample ID: 23G1202-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
67-64-1	Acetone	7.12	CCVE, B	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG





Sample Information

Client Sample ID: TB03_072023

York Sample ID: 23G1202-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
75-09-2	Methylene chloride	0.930		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG



Sample Information

Client Sample ID: TB03_072023

York Sample ID: 23G1202-11

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 20, 2023 12:45 pm

Date Received

07/20/2023

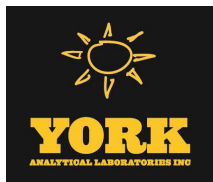
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.750	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:31	JTG
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:31	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 06:45	07/26/2023 17:31	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	91.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.3 %	79-122								



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 06:45	07/26/2023 21:37	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
123-91-1	1,4-Dioxane	ND		ug/L	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG





Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:45 pm

Date Received
07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by 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	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
67-66-3	Chloroform	0.690		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by 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	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG





Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes: VOA-HDSP

Sample Prepared by 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	0.346	0.750	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 21:37	JTG
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 21:37	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 06:45	07/26/2023 21:37	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	117 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	91.5 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.5 %	79-122								

SVOA, 8270 LOW MASTER

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 Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH





Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:45 pm

Date Received
07/20/2023

SVOA, 8270 LOW MASTER

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	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
95-48-7	2-Methylphenol	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
100-01-6	4-Nitroaniline	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

SVOA, 8270 LOW MASTER

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	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
105-60-2	Caprolactam	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

SVOA, 8270 LOW MASTER

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	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
110-86-1	Pyridine	ND	QL-02	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 15:28	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	33.1 %	19.7-63.1								
13127-88-3	Surrogate: SURR: Phenol-d6	16.2 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.4 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.1 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.4 %	30.7-106								

SVOA, 8270 SIM MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	2.97	B	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:45 pm

Date Received
07/20/2023

SVOA, 8270 SIM MASTER

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
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
62-75-9	N-Nitrosodimethylamine	ND	QL-02	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/24/2023 13:57	07/25/2023 21:20	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 13:57	07/25/2023 21:20	KH

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	07/23/2023 10:23	07/24/2023 15:02	KH
17647-74-4	Surrogate Recoveries <i>Surrogate: 1,4-Dioxane-d8</i>	Result 68.0 %					Acceptance Range 36.6-118			

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.481	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.358	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.726	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.695	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1202

100964201

Water

July 20, 2023 12:45 pm

07/20/2023

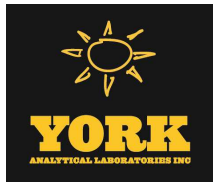
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.430	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.839	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	2.33		ng/L	0.532	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.767	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.16	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.900	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.757	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.706	2.05	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.808	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.235	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.900	2.05	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.931	1.95	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.35	1.97	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.10	7.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	0.367	J	ng/L	0.338	8.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.511	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	2.19	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.256	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.378	4.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.777	1.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 20, 2023 12:45 pm

Date Received

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.83	7.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.30	8.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.716	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
919005-14-4	ADONA	ND		ng/L	0.542	7.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:16	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.951	1.98	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.880	1.96	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.08	5.11	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.50	25.6	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.69	25.6	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.08	20.5	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.62	2.05	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.08	20.5	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.84	2.05	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:16	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	117 %	25-150
Surrogate: M5PFHxA	126 %	25-150
Surrogate: M4PFHpA	120 %	25-150
Surrogate: M3PFHxS	112 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	124 %	25-150
Surrogate: M6PFDA	103 %	25-150
Surrogate: M7PFUdA	80.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	40.8 %	25-150
Surrogate: M2PFTeDA	21.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	14.3 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	142 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	116 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	125 %	10-150
Surrogate: d3-N-MeFOSAA	72.1 %	25-150



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:45 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d5-N-EtFOSAA	57.7 %			25-150						
	Surrogate: M2-6:2 FTS	120 %			25-200						
	Surrogate: M2-8:2 FTS	59.4 %			25-200						
	Surrogate: M9PFNA	131 %			25-150						
	Surrogate: M2-4:2 FTS	111 %			25-150						
	Surrogate: d-N-MeFOSA	56.0 %			25-150						
	Surrogate: d-N-EtFOSA	24.2 %			25-150						
	Surrogate: M3HFPO-DA	120 %			25-150						
	Surrogate: d9-N-EtFOSE	10.0 %			25-150						
	Surrogate: d7-N-MeFOSE	19.5 %			25-150						

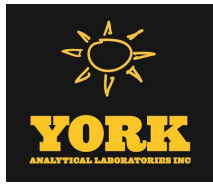
PEST, 8081 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
60-57-1	Dieldrin	ND	P	ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 20, 2023 12:45 pm

Date Received

07/20/2023

PEST, 8081 MASTER

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
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/24/2023 08:38	07/25/2023 00:51	SCB
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	07/24/2023 08:38	07/25/2023 00:51	SCB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	100 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	100 %	30-150							

PCB, 8082 MASTER

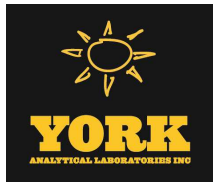
Log-in Notes:

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/24/2023 08:38	07/26/2023 16:51	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	07/24/2023 08:38	07/26/2023 16:51	BCJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.0 %	30-120							





Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 20, 2023 12:45 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
2051-24-3	Surrogate: Decachlorobiphenyl	110 %			30-120					

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:17	07/28/2023 06:48	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:17	07/28/2023 06:48	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:17	07/28/2023 06:48	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	68.8 %			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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-70-2	Calcium	0.158	M-BS	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.

23G1202

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 20, 2023 12:45 pm

Date Received

07/20/2023

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
7440-09-7	Potassium	0.191	M-CCV 1	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:24	07/28/2023 16:45	CEG

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	0.00100	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 11:09	07/27/2023 15:46	cw
7440-38-2	Arsenic	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 11:09	07/27/2023 15:46	cw
7440-41-7	Beryllium	ND		mg/L	0.000300	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 11:09	07/27/2023 15:46	cw
7440-43-9	Cadmium	ND	M-CCV 1	mg/L	0.000500	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 11:09	07/27/2023 15:46	cw
7782-49-2	Selenium	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 11:09	07/27/2023 15:46	cw
7440-28-0	Thallium	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 11:09	07/27/2023 15:46	cw

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/28/2023 08:40	07/28/2023 08:40	PA

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/20/2023 19:31	07/20/2023 21:50	SMK



Sample Information

Client Sample ID: FB02_072023

York Sample ID: 23G1202-12

York Project (SDG) No.
23G1202

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 20, 2023 12:45 pm

Date Received
07/20/2023

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 Certifications:	07/28/2023 07:59	07/30/2023 07:22	VR

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-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:32	07/26/2023 19:43	SL



Analytical Batch Summary

Batch ID: BG30859 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/26/23
23G1202-03	SB11_7-9	07/26/23
23G1202-04	SB10_1-3	07/26/23
23G1202-05	SB10_5-7	07/26/23
23G1202-06	SB09_0-2	07/26/23
23G1202-07	SB09_3-5	07/26/23
BG30859-BLK1	Blank	07/26/23
BG30859-BS1	LCS	07/26/23
BG30859-BSD1	LCS Dup	07/26/23

Batch ID: BG30862 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-09	DUP02_072023	07/27/23
BG30862-BLK1	Blank	07/27/23
BG30862-BS1	LCS	07/27/23
BG30862-BSD1	LCS Dup	07/27/23

Batch ID: BG31182 **Preparation Method:** Analysis Preparation **Prepared By:** SMK

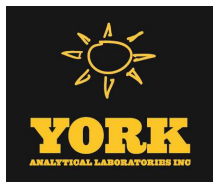
YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/20/23
BG31182-BLK1	Blank	07/20/23
BG31182-BS1	LCS	07/20/23
BG31182-MS1	Matrix Spike	07/20/23

Batch ID: BG31257 **Preparation Method:** EPA 3535A **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/23/23
BG31257-BLK1	Blank	07/23/23
BG31257-BS1	LCS	07/23/23
BG31257-MS1	Matrix Spike	07/23/23
BG31257-MSD1	Matrix Spike Dup	07/23/23

Batch ID: BG31269 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** VMM

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/24/23
23G1202-12	FB02_072023	07/24/23
BG31269-BLK1	Blank	07/24/23
BG31269-BLK2	Blank	07/24/23
BG31269-BS1	LCS	07/24/23



BG31269-BS2	LCS	07/24/23
BG31269-BSD1	LCS Dup	07/24/23
BG31269-BSD2	LCS Dup	07/24/23

Batch ID: BG31322 **Preparation Method:** EPA 3510C **Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/24/23
BG31322-BLK1	Blank	07/24/23
BG31322-BLK2	Blank	07/24/23
BG31322-BS1	LCS	07/24/23
BG31322-BS2	LCS	07/24/23
BG31322-BSD1	LCS Dup	07/24/23

Batch ID: BG31426 **Preparation Method:** EPA 1633 Prep **Prepared By:** J D

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/25/23
23G1202-04	SB10_1-3	07/25/23
23G1202-06	SB09_0-2	07/25/23
23G1202-09	DUP02_072023	07/25/23
BG31426-BLK1	Blank	07/25/23
BG31426-BS1	LCS	07/25/23
BG31426-BS2	LCS	07/25/23
BG31426-DUP1	Duplicate	07/25/23

Batch ID: BG31430 **Preparation Method:** EPA 1633 Prep **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-10	EB03_072023	07/26/23
23G1202-12	FB02_072023	07/26/23
BG31430-BLK1	Blank	07/26/23
BG31430-BS1	LCS	07/26/23
BG31430-BS2	LCS	07/26/23
BG31430-DUP1	Duplicate	07/26/23

Batch ID: BG31445 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/26/23
23G1202-04	SB10_1-3	07/26/23
23G1202-06	SB09_0-2	07/26/23
23G1202-09	DUP02_072023	07/26/23
BG31445-DUP1	Duplicate	07/26/23

Batch ID: BG31465 **Preparation Method:** EPA SW846-3060 **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date



23G1202-02	SB11_3-5	07/26/23
BG31465-BLK1	Blank	07/26/23
BG31465-DUP1	Duplicate	07/26/23
BG31465-MS1	Matrix Spike	07/26/23
BG31465-MSD1	Matrix Spike Dup	07/26/23
BG31465-SRM1	Reference	07/26/23

Batch ID: BG31477 **Preparation Method:** EPA 3015A **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/26/23
BG31477-BLK1	Blank	07/26/23
BG31477-BS1	LCS	07/26/23
BG31477-DUP1	Duplicate	07/26/23
BG31477-MS1	Matrix Spike	07/26/23

Batch ID: BG31493 **Preparation Method:** EPA 3550C **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/26/23
23G1202-04	SB10_1-3	07/26/23
23G1202-06	SB09_0-2	07/26/23
23G1202-09	DUP02_072023	07/26/23
BG31493-BLK1	Blank	07/26/23
BG31493-BS1	LCS	07/26/23
BG31493-MS1	Matrix Spike	07/26/23
BG31493-MSD1	Matrix Spike Dup	07/26/23

Batch ID: BG31505 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/26/23
BG31505-BLK1	Blank	07/26/23
BG31505-BS1	LCS	07/26/23
BG31505-DUP1	Duplicate	07/26/23
BG31505-MS1	Matrix Spike	07/26/23
BG31505-MSD1	Matrix Spike Dup	07/26/23

Batch ID: BG31506 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/26/23
23G1202-04	SB10_1-3	07/26/23
23G1202-06	SB09_0-2	07/26/23
23G1202-09	DUP02_072023	07/26/23
BG31506-BLK1	Blank	07/26/23
BG31506-DUP1	Duplicate	07/26/23
BG31506-MS1	Matrix Spike	07/26/23
BG31506-MSD1	Matrix Spike Dup	07/26/23



BG31506-SRM1

Reference

07/26/23

Batch ID: BG31514**Preparation Method:** EPA SW846-3060**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-04	SB10_1-3	07/26/23
23G1202-06	SB09_0-2	07/26/23
23G1202-09	DUP02_072023	07/26/23
BG31514-BLK1	Blank	07/26/23
BG31514-DUP1	Duplicate	07/26/23
BG31514-MS1	Matrix Spike	07/26/23
BG31514-MSD1	Matrix Spike Dup	07/26/23
BG31514-SRM1	Reference	07/26/23

Batch ID: BG31518**Preparation Method:** EPA 8151A**Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/26/23
BG31518-BLK1	Blank	07/26/23
BG31518-BS1	LCS	07/26/23
BG31518-BSD1	LCS Dup	07/26/23
BG31518-MS1	Matrix Spike	07/26/23
BG31518-MSD1	Matrix Spike Dup	07/26/23

Batch ID: BG31522**Preparation Method:** EPA 3050B**Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/26/23
23G1202-04	SB10_1-3	07/26/23
23G1202-06	SB09_0-2	07/26/23
BG31522-BLK1	Blank	07/26/23
BG31522-DUP1	Duplicate	07/26/23
BG31522-MS1	Matrix Spike	07/26/23
BG31522-PS1	Post Spike	07/26/23
BG31522-SRM1	Reference	07/26/23

Batch ID: BG31530**Preparation Method:** EPA 3550C/8151A**Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/27/23
23G1202-04	SB10_1-3	07/27/23
23G1202-06	SB09_0-2	07/27/23
23G1202-09	DUP02_072023	07/27/23
BG31530-BLK1	Blank	07/27/23
BG31530-BS1	LCS	07/27/23
BG31530-MS1	Matrix Spike	07/27/23
BG31530-MSD1	Matrix Spike Dup	07/27/23

**Batch ID:** BG31544**Preparation Method:** EPA 3015A**Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/27/23
BG31544-BLK1	Blank	07/27/23
BG31544-BS1	LCS	07/27/23
BG31544-DUP1	Duplicate	07/27/23
BG31544-MS1	Matrix Spike	07/27/23
BG31544-PS1	Post Spike	07/27/23

Batch ID: BG31556**Preparation Method:** EPA 3550C**Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/27/23
23G1202-02	SB11_3-5	07/27/23
23G1202-04	SB10_1-3	07/27/23
23G1202-04	SB10_1-3	07/27/23
23G1202-06	SB09_0-2	07/27/23
23G1202-06	SB09_0-2	07/27/23
23G1202-09	DUP02_072023	07/27/23
23G1202-09	DUP02_072023	07/27/23
BG31556-BLK1	Blank	07/27/23
BG31556-BLK2	Blank	07/27/23
BG31556-BS1	LCS	07/27/23
BG31556-BS2	LCS	07/27/23
BG31556-MS1	Matrix Spike	07/27/23
BG31556-MSD1	Matrix Spike Dup	07/27/23

Batch ID: BG31567**Preparation Method:** EPA 3550C**Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/27/23
23G1202-02RE1	SB11_3-5	07/27/23
23G1202-04	SB10_1-3	07/27/23
23G1202-04RE1	SB10_1-3	07/27/23
23G1202-04RE2	SB10_1-3	07/27/23
23G1202-06	SB09_0-2	07/27/23
23G1202-09	DUP02_072023	07/27/23
BG31567-BLK1	Blank	07/27/23
BG31567-BS1	LCS	07/27/23
BG31567-MS1	Matrix Spike	07/27/23
BG31567-MSD1	Matrix Spike Dup	07/27/23

Batch ID: BG31576**Preparation Method:** EPA 3050B**Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-09	DUP02_072023	07/27/23
BG31576-BLK1	Blank	07/27/23
BG31576-DUP1	Duplicate	07/27/23
BG31576-MS1	Matrix Spike	07/27/23



BG31576-PS1 Post Spike 07/27/23
BG31576-SRM1 Reference 07/27/23

Batch ID: BG31581 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/27/23
23G1202-04	SB10_1-3	07/27/23
23G1202-06	SB09_0-2	07/27/23
23G1202-09	DUP02_072023	07/27/23
BG31581-BLK1	Blank	07/27/23
BG31581-DUP1	Duplicate	07/27/23
BG31581-MS1	Matrix Spike	07/27/23
BG31581-SRM1	Reference	07/27/23

Batch ID: BG31600 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-11	TB03_072023	07/26/23
23G1202-12	FB02_072023	07/26/23
BG31600-BLK1	Blank	07/26/23
BG31600-BS1	LCS	07/26/23
BG31600-BSD1	LCS Dup	07/26/23

Batch ID: BG31628 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-02	SB11_3-5	07/28/23
23G1202-04	SB10_1-3	07/28/23
23G1202-06	SB09_0-2	07/28/23
23G1202-09	DUP02_072023	07/28/23

Batch ID: BG31629 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/28/23

Batch ID: BG31638 **Preparation Method:** EPA SW846-7470A **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-12	FB02_072023	07/28/23
BG31638-BLK1	Blank	07/28/23
BG31638-BLK2	Blank	07/28/23
BG31638-BS1	LCS	07/28/23
BG31638-BS2	LCS	07/28/23



Batch ID: BH30118

Preparation Method: EPA 3550C

Prepared By: me

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/02/23
23G1202-05	SB10_5-7	08/02/23
23G1202-07	SB09_3-5	08/02/23
BH30118-BLK1	Blank	08/02/23
BH30118-BS1	LCS	08/02/23
BH30118-MS1	Matrix Spike	08/02/23
BH30118-MSD1	Matrix Spike Dup	08/02/23

Batch ID: BH30120

Preparation Method: EPA 3546 SVOA

Prepared By: me

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/02/23
23G1202-07	SB09_3-5	08/02/23
BH30120-BLK1	Blank	08/02/23
BH30120-BS1	LCS	08/02/23
BH30120-MS1	Matrix Spike	08/02/23
BH30120-MSD1	Matrix Spike Dup	08/02/23

Batch ID: BH30124

Preparation Method: EPA 3550C/8151A

Prepared By: SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/02/23
23G1202-07	SB09_3-5	08/02/23
BH30124-BLK1	Blank	08/02/23
BH30124-BS1	LCS	08/02/23
BH30124-MS1	Matrix Spike	08/02/23
BH30124-MSD1	Matrix Spike Dup	08/02/23

Batch ID: BH30139

Preparation Method: EPA 3550C

Prepared By: JLM

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/03/23
23G1202-03	SB11_7-9	08/03/23
23G1202-05	SB10_5-7	08/03/23
23G1202-05	SB10_5-7	08/03/23
23G1202-07	SB09_3-5	08/03/23
23G1202-07	SB09_3-5	08/03/23
BH30139-BLK1	Blank	08/03/23
BH30139-BLK2	Blank	08/03/23
BH30139-BS1	LCS	08/03/23
BH30139-BS2	LCS	08/03/23
BH30139-MS1	Matrix Spike	08/03/23
BH30139-MS2	Matrix Spike	08/03/23
BH30139-MSD1	Matrix Spike Dup	08/03/23
BH30139-MSD2	Matrix Spike Dup	08/03/23



Batch ID: BH30145

Preparation Method: EPA 1633 Prep

Prepared By: AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/03/23
23G1202-05	SB10_5-7	08/03/23
23G1202-07	SB09_3-5	08/03/23
BH30145-BLK1	Blank	08/03/23
BH30145-BS1	LCS	08/03/23
BH30145-BS2	LCS	08/03/23
BH30145-DUP1	Duplicate	08/03/23

Batch ID: BH30182

Preparation Method: Analysis Preparation Soil

Prepared By: JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/03/23
23G1202-05	SB10_5-7	08/03/23
23G1202-07	SB09_3-5	08/03/23
BH30182-BLK1	Blank	08/03/23
BH30182-DUP1	Duplicate	08/03/23
BH30182-MS1	Matrix Spike	08/03/23
BH30182-MSD1	Matrix Spike Dup	08/03/23
BH30182-SRM1	Reference	08/03/23

Batch ID: BH30252

Preparation Method: % Solids Prep

Prepared By: PMB

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/04/23
23G1202-05	SB10_5-7	08/04/23
23G1202-07	SB09_3-5	08/04/23
BH30252-DUP1	Duplicate	08/04/23

Batch ID: BH30314

Preparation Method: EPA SW846-3060

Prepared By: SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/04/23
23G1202-05	SB10_5-7	08/04/23
23G1202-07	SB09_3-5	08/04/23
BH30314-BLK1	Blank	08/04/23
BH30314-DUP1	Duplicate	08/04/23
BH30314-MS1	Matrix Spike	08/04/23
BH30314-MSD1	Matrix Spike Dup	08/04/23
BH30314-SRM1	Reference	08/04/23

Batch ID: BH30315

Preparation Method: EPA 3050B

Prepared By: KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/04/23
23G1202-05	SB10_5-7	08/04/23
23G1202-07	SB09_3-5	08/04/23



BH30315-BLK1	Blank	08/04/23
BH30315-DUP1	Duplicate	08/04/23
BH30315-MS1	Matrix Spike	08/04/23
BH30315-PS1	Post Spike	08/04/23
BH30315-SRM1	Reference	08/04/23

Batch ID: BH30421 **Preparation Method:** EPA 3550C/8151A **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-05	SB10_5-7	08/02/23
BH30421-BLK1	Blank	08/07/23
BH30421-BS1	LCS	08/07/23
BH30421-MS1	Matrix Spike	08/07/23
BH30421-MSD1	Matrix Spike Dup	08/07/23

Batch ID: BH30441 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-05	SB10_5-7	08/08/23
BH30441-BLK1	Blank	08/08/23
BH30441-BS1	LCS	08/08/23
BH30441-MS1	Matrix Spike	08/08/23
BH30441-MSD1	Matrix Spike Dup	08/08/23

Batch ID: BH30541 **Preparation Method:** EPA 7473 soil **Prepared By:** AJL

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/08/23
23G1202-05	SB10_5-7	08/08/23
23G1202-07	SB09_3-5	08/08/23
BH30541-BLK1	Blank	08/08/23
BH30541-DUP1	Duplicate	08/08/23
BH30541-MS1	Matrix Spike	08/08/23
BH30541-SRM1	Reference	08/08/23

Batch ID: BH30631 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
23G1202-03	SB11_7-9	08/09/23
23G1202-05	SB10_5-7	08/09/23
23G1202-07	SB09_3-5	08/09/23



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30859 - EPA 5035A

Blank (BG30859-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
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	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30859 - EPA 5035A

Blank (BG30859-BLK1) Blank		Prepared & Analyzed: 07/26/2023									
Hexachlorobutadiene	ND	0.0050	mg/kg wet								
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	51.2		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	53.0		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	58.7		"	50.0		117	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30859 - EPA 5035A											
LCS (BG30859-BS1)	LCS		Prepared & Analyzed: 07/26/2023								
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		98.0	75-129				
1,1,1-Trichloroethane	45.5		"	50.0		90.9	71-137				
1,1,2,2-Tetrachloroethane	51.1		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	30.6		"	50.0		61.1	58-146				
1,1,2-Trichloroethane	47.4		"	50.0		94.9	83-123				
1,1-Dichloroethane	42.2		"	50.0		84.4	75-130				
1,1-Dichloroethylene	34.4		"	50.0		68.8	64-137				
1,1-Dichloropropylene	44.1		"	50.0		88.1	77-127				
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140				
1,2,3-Trichloropropane	49.7		"	50.0		99.3	81-126				
1,2,4-Trichlorobenzene	50.5		"	50.0		101	80-141				
1,2,4-Trimethylbenzene	50.2		"	50.0		100	84-125				
1,2-Dibromo-3-chloropropane	54.3		"	50.0		109	74-142				
1,2-Dibromoethane	48.2		"	50.0		96.4	86-123				
1,2-Dichlorobenzene	48.0		"	50.0		96.0	85-122				
1,2-Dichloroethane	45.6		"	50.0		91.1	71-133				
1,2-Dichloropropane	47.9		"	50.0		95.9	81-122				
1,3,5-Trimethylbenzene	50.2		"	50.0		100	82-126				
1,3-Dichlorobenzene	47.7		"	50.0		95.5	84-124				
1,3-Dichloropropane	46.9		"	50.0		93.8	83-123				
1,4-Dichlorobenzene	48.8		"	50.0		97.5	84-124				
1,4-Dioxane	962		"	1050		91.6	10-228				
2,2-Dichloropropane	46.9		"	50.0		93.8	67-136				
2-Butanone	51.5		"	50.0		103	58-147				
2-Chlorotoluene	46.9		"	50.0		93.8	78-127				
2-Hexanone	52.9		"	50.0		106	70-139				
4-Chlorotoluene	49.0		"	50.0		98.1	79-125				
4-Methyl-2-pentanone	39.3		"	50.0		78.6	72-132				
Acetone	42.2		"	50.0		84.3	36-155				
Acrolein	50.5		"	50.0		101	10-238				
Acrylonitrile	44.7		"	50.0		89.5	66-141				
Benzene	44.9		"	50.0		89.9	77-127				
Bromobenzene	47.6		"	50.0		95.2	77-129				
Bromochloromethane	44.2		"	50.0		88.3	74-129				
Bromodichloromethane	46.9		"	50.0		93.7	81-124				
Bromoform	49.4		"	50.0		98.9	80-136				
Bromomethane	48.5		"	50.0		97.1	32-177				
Carbon disulfide	41.8		"	50.0		83.6	10-136				
Carbon tetrachloride	47.0		"	50.0		93.9	66-143				
Chlorobenzene	47.4		"	50.0		94.8	86-120				
Chloroethane	48.1		"	50.0		96.2	51-142				
Chloroform	43.4		"	50.0		86.8	76-131				
Chloromethane	36.1		"	50.0		72.2	49-132				
cis-1,2-Dichloroethylene	44.2		"	50.0		88.5	74-132				
cis-1,3-Dichloropropylene	49.7		"	50.0		99.4	81-129				
Cyclohexane	44.8		"	50.0		89.5	70-130				
Dibromochloromethane	48.9		"	50.0		97.8	10-200				
Dibromomethane	46.0		"	50.0		92.1	83-124				
Dichlorodifluoromethane	26.9		"	50.0		53.8	28-158				
Ethyl Benzene	48.8		"	50.0		97.6	84-125				
Hexachlorobutadiene	47.5		"	50.0		95.1	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30859 - EPA 5035A

LCS (BG30859-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
Isopropylbenzene	47.6	ug/L	50.0	95.2	81-127						
Methyl acetate	41.9	"	50.0	83.8	41-143						
Methyl tert-butyl ether (MTBE)	44.8	"	50.0	89.7	74-131						
Methylcyclohexane	45.8	"	50.0	91.7	70-130						
Methylene chloride	42.2	"	50.0	84.3	57-141						
n-Butylbenzene	49.2	"	50.0	98.4	80-130						
n-Propylbenzene	47.4	"	50.0	94.7	74-136						
o-Xylene	47.3	"	50.0	94.6	83-123						
p- & m- Xylenes	96.5	"	100	96.5	82-128						
p-Isopropyltoluene	49.8	"	50.0	99.5	85-125						
sec-Butylbenzene	47.0	"	50.0	94.1	83-125						
Styrene	47.4	"	50.0	94.9	86-126						
tert-Butyl alcohol (TBA)	257	"	250	103	70-130						
tert-Butylbenzene	41.0	"	50.0	81.9	80-127						
Tetrachloroethylene	38.2	"	50.0	76.3	80-129	Low Bias					
Toluene	47.6	"	50.0	95.2	85-121						
trans-1,2-Dichloroethylene	42.8	"	50.0	85.6	72-132						
trans-1,3-Dichloropropylene	52.6	"	50.0	105	78-132						
Trichloroethylene	46.1	"	50.0	92.3	84-123						
Trichlorofluoromethane	47.5	"	50.0	95.0	62-140						
Vinyl acetate	49.4	"	50.0	98.8	67-136						
Vinyl Chloride	40.4	"	50.0	80.7	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	51.4	"	50.0	103	77-125						
Surrogate: SURR: Toluene-d8	52.3	"	50.0	105	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.2	"	50.0	100	76-130						

LCS Dup (BG30859-BSD1)	LCS Dup	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	47.1	ug/L	50.0	94.2	75-129	3.95	30				
1,1,1-Trichloroethane	42.4	"	50.0	84.7	71-137	7.04	30				
1,1,2,2-Tetrachloroethane	50.8	"	50.0	102	79-129	0.707	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	32.7	"	50.0	65.4	58-146	6.67	30				
1,1,2-Trichloroethane	45.6	"	50.0	91.1	83-123	4.02	30				
1,1-Dichloroethane	40.4	"	50.0	80.8	75-130	4.46	30				
1,1-Dichloroethylene	37.2	"	50.0	74.3	64-137	7.74	30				
1,1-Dichloropropylene	40.9	"	50.0	81.9	77-127	7.39	30				
1,2,3-Trichlorobenzene	50.2	"	50.0	100	81-140	0.319	30				
1,2,3-Trichloropropane	48.8	"	50.0	97.6	81-126	1.75	30				
1,2,4-Trichlorobenzene	49.9	"	50.0	99.8	80-141	1.10	30				
1,2,4-Trimethylbenzene	49.8	"	50.0	99.7	84-125	0.760	30				
1,2-Dibromo-3-chloropropane	51.9	"	50.0	104	74-142	4.54	30				
1,2-Dibromoethane	46.7	"	50.0	93.5	86-123	3.05	30				
1,2-Dichlorobenzene	47.1	"	50.0	94.2	85-122	1.91	30				
1,2-Dichloroethane	42.4	"	50.0	84.8	71-133	7.16	30				
1,2-Dichloropropane	45.7	"	50.0	91.3	81-122	4.85	30				
1,3,5-Trimethylbenzene	49.9	"	50.0	99.9	82-126	0.619	30				
1,3-Dichlorobenzene	47.5	"	50.0	95.0	84-124	0.483	30				
1,3-Dichloropropane	45.0	"	50.0	89.9	83-123	4.20	30				
1,4-Dichlorobenzene	48.1	"	50.0	96.2	84-124	1.36	30				
1,4-Dioxane	847	"	1050	80.7	10-228	12.6	30				
2,2-Dichloropropane	43.7	"	50.0	87.5	67-136	6.93	30				
2-Butanone	48.1	"	50.0	96.3	58-147	6.67	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30859 - EPA 5035A											
LCS Dup (BG30859-BSD1)	LCS Dup		Prepared & Analyzed: 07/26/2023								
2-Chlorotoluene	46.3		ug/L	50.0		92.6	78-127		1.29	30	
2-Hexanone	50.4		"	50.0		101	70-139		4.88	30	
4-Chlorotoluene	48.5		"	50.0		97.0	79-125		1.15	30	
4-Methyl-2-pentanone	38.3		"	50.0		76.6	72-132		2.65	30	
Acetone	39.9		"	50.0		79.7	36-155		5.58	30	
Acrolein	44.7		"	50.0		89.5	10-238		12.1	30	
Acrylonitrile	42.6		"	50.0		85.2	66-141		4.90	30	
Benzene	42.3		"	50.0		84.6	77-127		6.03	30	
Bromobenzene	46.8		"	50.0		93.6	77-129		1.67	30	
Bromochloromethane	41.0		"	50.0		82.1	74-129		7.35	30	
Bromodichloromethane	45.3		"	50.0		90.6	81-124		3.43	30	
Bromoform	48.6		"	50.0		97.2	80-136		1.75	30	
Bromomethane	46.1		"	50.0		92.1	32-177		5.22	30	
Carbon disulfide	39.3		"	50.0		78.7	10-136		6.09	30	
Carbon tetrachloride	43.4		"	50.0		86.8	66-143		7.85	30	
Chlorobenzene	45.6		"	50.0		91.3	86-120		3.85	30	
Chloroethane	46.1		"	50.0		92.2	51-142		4.23	30	
Chloroform	41.1		"	50.0		82.3	76-131		5.37	30	
Chloromethane	33.5		"	50.0		66.9	49-132		7.56	30	
cis-1,2-Dichloroethylene	41.8		"	50.0		83.5	74-132		5.77	30	
cis-1,3-Dichloropropylene	47.4		"	50.0		94.8	81-129		4.65	30	
Cyclohexane	41.7		"	50.0		83.4	70-130		7.08	30	
Dibromochloromethane	47.2		"	50.0		94.5	10-200		3.45	30	
Dibromomethane	44.6		"	50.0		89.2	83-124		3.11	30	
Dichlorodifluoromethane	24.8		"	50.0		49.5	28-158		8.24	30	
Ethyl Benzene	47.4		"	50.0		94.8	84-125		2.91	30	
Hexachlorobutadiene	46.9		"	50.0		93.7	83-133		1.40	30	
Isopropylbenzene	47.0		"	50.0		94.1	81-127		1.20	30	
Methyl acetate	38.7		"	50.0		77.3	41-143		7.97	30	
Methyl tert-butyl ether (MTBE)	42.4		"	50.0		84.7	74-131		5.69	30	
Methylcyclohexane	44.0		"	50.0		87.9	70-130		4.21	30	
Methylene chloride	39.5		"	50.0		79.0	57-141		6.46	30	
n-Butylbenzene	49.2		"	50.0		98.4	80-130		0.0203	30	
n-Propylbenzene	46.8		"	50.0		93.7	74-136		1.10	30	
o-Xylene	45.9		"	50.0		91.9	83-123		2.98	30	
p- & m- Xylenes	93.0		"	100		93.0	82-128		3.61	30	
p-Isopropyltoluene	49.2		"	50.0		98.4	85-125		1.11	30	
sec-Butylbenzene	46.9		"	50.0		93.8	83-125		0.319	30	
Styrene	45.8		"	50.0		91.7	86-126		3.43	30	
tert-Butyl alcohol (TBA)	243		"	250		97.4	70-130		5.32	30	
tert-Butylbenzene	40.6		"	50.0		81.2	80-127		0.834	30	
Tetrachloroethylene	36.8		"	50.0		73.7	80-129	Low Bias	3.57	30	
Toluene	46.3		"	50.0		92.5	85-121		2.81	30	
trans-1,2-Dichloroethylene	40.1		"	50.0		80.2	72-132		6.52	30	
trans-1,3-Dichloropropylene	50.6		"	50.0		101	78-132		3.99	30	
Trichloroethylene	44.6		"	50.0		89.2	84-123		3.42	30	
Trichlorofluoromethane	43.8		"	50.0		87.5	62-140		8.13	30	
Vinyl acetate	45.8		"	50.0		91.5	67-136		7.59	30	
Vinyl Chloride	37.1		"	50.0		74.2	52-130		8.44	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.4		"	50.0		98.7	77-125				
Surrogate: SURR: Toluene-d8	52.4		"	50.0		105	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30859 - EPA 5035A

LCS Dup (BG30859-BSD1) LCS Dup

Prepared & Analyzed: 07/26/2023

Surrogate: SURR: p-Bromofluorobenzene 51.2 ug/L 50.0 102 76-130

Batch BG30862 - EPA 5035A

Blank (BG30862-BLK1) Blank

Prepared & Analyzed: 07/27/2023

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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30862 - EPA 5035A

Blank (BG30862-BLK1)		Blank		Prepared & Analyzed: 07/27/2023							
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	52.5		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	52.7		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	59.0		"	50.0		118	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30862 - EPA 5035A											
LCS (BG30862-BS1)	LCS		Prepared & Analyzed: 07/27/2023								
1,1,1,2-Tetrachloroethane	50.0		ug/L	50.0		99.9	75-129				
1,1,1-Trichloroethane	44.9		"	50.0		89.7	71-137				
1,1,2,2-Tetrachloroethane	54.0		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.5		"	50.0		87.0	58-146				
1,1,2-Trichloroethane	47.6		"	50.0		95.2	83-123				
1,1-Dichloroethane	42.0		"	50.0		83.9	75-130				
1,1-Dichloroethylene	47.3		"	50.0		94.5	64-137				
1,1-Dichloropropylene	42.6		"	50.0		85.1	77-127				
1,2,3-Trichlorobenzene	51.4		"	50.0		103	81-140				
1,2,3-Trichloropropane	51.6		"	50.0		103	81-126				
1,2,4-Trichlorobenzene	51.7		"	50.0		103	80-141				
1,2,4-Trimethylbenzene	51.8		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	58.0		"	50.0		116	74-142				
1,2-Dibromoethane	49.5		"	50.0		99.1	86-123				
1,2-Dichlorobenzene	48.6		"	50.0		97.1	85-122				
1,2-Dichloroethane	44.8		"	50.0		89.6	71-133				
1,2-Dichloropropane	48.7		"	50.0		97.4	81-122				
1,3,5-Trimethylbenzene	52.2		"	50.0		104	82-126				
1,3-Dichlorobenzene	48.4		"	50.0		96.9	84-124				
1,3-Dichloropropane	47.8		"	50.0		95.7	83-123				
1,4-Dichlorobenzene	49.1		"	50.0		98.2	84-124				
1,4-Dioxane	930		"	1050		88.6	10-228				
2,2-Dichloropropane	48.1		"	50.0		96.3	67-136				
2-Butanone	54.6		"	50.0		109	58-147				
2-Chlorotoluene	48.3		"	50.0		96.6	78-127				
2-Hexanone	56.2		"	50.0		112	70-139				
4-Chlorotoluene	51.2		"	50.0		102	79-125				
4-Methyl-2-pentanone	41.3		"	50.0		82.6	72-132				
Acetone	43.9		"	50.0		87.9	36-155				
Acrolein	53.1		"	50.0		106	10-238				
Acrylonitrile	45.0		"	50.0		90.1	66-141				
Benzene	44.0		"	50.0		87.9	77-127				
Bromobenzene	49.2		"	50.0		98.5	77-129				
Bromochloromethane	43.7		"	50.0		87.4	74-129				
Bromodichloromethane	47.9		"	50.0		95.8	81-124				
Bromoform	52.0		"	50.0		104	80-136				
Bromomethane	50.6		"	50.0		101	32-177				
Carbon disulfide	39.8		"	50.0		79.6	10-136				
Carbon tetrachloride	47.2		"	50.0		94.4	66-143				
Chlorobenzene	47.8		"	50.0		95.5	86-120				
Chloroethane	52.6		"	50.0		105	51-142				
Chloroform	42.6		"	50.0		85.3	76-131				
Chloromethane	34.4		"	50.0		68.8	49-132				
cis-1,2-Dichloroethylene	44.0		"	50.0		87.9	74-132				
cis-1,3-Dichloropropylene	50.6		"	50.0		101	81-129				
Cyclohexane	43.7		"	50.0		87.4	70-130				
Dibromochloromethane	50.6		"	50.0		101	10-200				
Dibromomethane	46.6		"	50.0		93.2	83-124				
Dichlorodifluoromethane	23.4		"	50.0		46.7	28-158				
Ethyl Benzene	49.9		"	50.0		99.7	84-125				
Hexachlorobutadiene	47.7		"	50.0		95.4	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30862 - EPA 5035A

LCS (BG30862-BS1)	LCS	Prepared & Analyzed: 07/27/2023									
Isopropylbenzene	49.2	ug/L	50.0	98.4	81-127						
Methyl acetate	41.3	"	50.0	82.6	41-143						
Methyl tert-butyl ether (MTBE)	43.0	"	50.0	86.1	74-131						
Methylcyclohexane	45.6	"	50.0	91.3	70-130						
Methylene chloride	41.5	"	50.0	82.9	57-141						
n-Butylbenzene	52.0	"	50.0	104	80-130						
n-Propylbenzene	49.4	"	50.0	98.7	74-136						
o-Xylene	47.6	"	50.0	95.2	83-123						
p- & m- Xylenes	97.8	"	100	97.8	82-128						
p-Isopropyltoluene	52.0	"	50.0	104	85-125						
sec-Butylbenzene	49.0	"	50.0	98.1	83-125						
Styrene	48.1	"	50.0	96.2	86-126						
tert-Butyl alcohol (TBA)	260	"	250	104	70-130						
tert-Butylbenzene	42.0	"	50.0	84.1	80-127						
Tetrachloroethylene	37.8	"	50.0	75.6	80-129	Low Bias					
Toluene	49.1	"	50.0	98.3	85-121						
trans-1,2-Dichloroethylene	42.5	"	50.0	85.0	72-132						
trans-1,3-Dichloropropylene	54.4	"	50.0	109	78-132						
Trichloroethylene	46.5	"	50.0	93.1	84-123						
Trichlorofluoromethane	50.6	"	50.0	101	62-140						
Vinyl acetate	48.9	"	50.0	97.9	67-136						
Vinyl Chloride	40.2	"	50.0	80.3	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	50.9	"	50.0	102	77-125						
Surrogate: SURR: Toluene-d8	52.4	"	50.0	105	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.7	"	50.0	101	76-130						

LCS Dup (BG30862-BSD1)	LCS Dup	Prepared & Analyzed: 07/27/2023									
1,1,1,2-Tetrachloroethane	49.4	ug/L	50.0	98.8	75-129	1.11	30				
1,1,1-Trichloroethane	44.0	"	50.0	88.1	71-137	1.82	30				
1,1,2,2-Tetrachloroethane	53.5	"	50.0	107	79-129	0.763	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.3	"	50.0	98.5	58-146	12.4	30				
1,1,2-Trichloroethane	47.1	"	50.0	94.2	83-123	1.10	30				
1,1-Dichloroethane	40.1	"	50.0	80.1	75-130	4.61	30				
1,1-Dichloroethylene	48.6	"	50.0	97.2	64-137	2.82	30				
1,1-Dichloropropylene	42.4	"	50.0	84.9	77-127	0.282	30				
1,2,3-Trichlorobenzene	51.1	"	50.0	102	81-140	0.527	30				
1,2,3-Trichloropropane	51.0	"	50.0	102	81-126	1.13	30				
1,2,4-Trichlorobenzene	51.4	"	50.0	103	80-141	0.641	30				
1,2,4-Trimethylbenzene	51.6	"	50.0	103	84-125	0.329	30				
1,2-Dibromo-3-chloropropane	56.0	"	50.0	112	74-142	3.51	30				
1,2-Dibromoethane	48.9	"	50.0	97.8	86-123	1.32	30				
1,2-Dichlorobenzene	49.0	"	50.0	98.0	85-122	0.922	30				
1,2-Dichloroethane	44.1	"	50.0	88.2	71-133	1.58	30				
1,2-Dichloropropane	47.5	"	50.0	95.0	81-122	2.49	30				
1,3,5-Trimethylbenzene	51.8	"	50.0	104	82-126	0.635	30				
1,3-Dichlorobenzene	48.2	"	50.0	96.4	84-124	0.497	30				
1,3-Dichloropropane	46.5	"	50.0	92.9	83-123	2.91	30				
1,4-Dichlorobenzene	49.4	"	50.0	98.7	84-124	0.528	30				
1,4-Dioxane	967	"	1050	92.1	10-228	3.89	30				
2,2-Dichloropropane	46.1	"	50.0	92.2	67-136	4.29	30				
2-Butanone	54.0	"	50.0	108	58-147	0.995	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30862 - EPA 5035A											
LCS Dup (BG30862-BSD1)	LCS Dup		Prepared & Analyzed: 07/27/2023								
2-Chlorotoluene	48.1		ug/L	50.0		96.2	78-127		0.498	30	
2-Hexanone	54.8		"	50.0		110	70-139		2.54	30	
4-Chlorotoluene	50.4		"	50.0		101	79-125		1.46	30	
4-Methyl-2-pentanone	42.0		"	50.0		83.9	72-132		1.56	30	
Acetone	44.8		"	50.0		89.6	36-155		1.89	30	
Acrolein	48.1		"	50.0		96.2	10-238		9.90	30	
Acrylonitrile	45.9		"	50.0		91.7	66-141		1.78	30	
Benzene	43.9		"	50.0		87.9	77-127		0.0228	30	
Bromobenzene	49.2		"	50.0		98.3	77-129		0.163	30	
Bromochloromethane	44.0		"	50.0		88.1	74-129		0.843	30	
Bromodichloromethane	47.4		"	50.0		94.8	81-124		0.986	30	
Bromoform	51.4		"	50.0		103	80-136		1.12	30	
Bromomethane	51.5		"	50.0		103	32-177		1.92	30	
Carbon disulfide	39.5		"	50.0		79.0	10-136		0.807	30	
Carbon tetrachloride	45.6		"	50.0		91.2	66-143		3.43	30	
Chlorobenzene	46.9		"	50.0		93.8	86-120		1.77	30	
Chloroethane	49.9		"	50.0		99.7	51-142		5.39	30	
Chloroform	42.5		"	50.0		85.0	76-131		0.305	30	
Chloromethane	33.9		"	50.0		67.8	49-132		1.46	30	
cis-1,2-Dichloroethylene	43.1		"	50.0		86.2	74-132		2.02	30	
cis-1,3-Dichloropropylene	49.6		"	50.0		99.2	81-129		2.00	30	
Cyclohexane	42.6		"	50.0		85.1	70-130		2.62	30	
Dibromochloromethane	50.1		"	50.0		100	10-200		0.933	30	
Dibromomethane	45.8		"	50.0		91.6	83-124		1.73	30	
Dichlorodifluoromethane	23.0		"	50.0		45.9	28-158		1.73	30	
Ethyl Benzene	48.8		"	50.0		97.5	84-125		2.23	30	
Hexachlorobutadiene	48.6		"	50.0		97.2	83-133		1.89	30	
Isopropylbenzene	48.6		"	50.0		97.3	81-127		1.14	30	
Methyl acetate	44.8		"	50.0		89.6	41-143		8.15	30	
Methyl tert-butyl ether (MTBE)	42.6		"	50.0		85.1	74-131		1.12	30	
Methylcyclohexane	45.1		"	50.0		90.1	70-130		1.26	30	
Methylene chloride	41.2		"	50.0		82.4	57-141		0.653	30	
n-Butylbenzene	51.4		"	50.0		103	80-130		1.12	30	
n-Propylbenzene	49.2		"	50.0		98.3	74-136		0.426	30	
o-Xylene	47.5		"	50.0		95.0	83-123		0.252	30	
p- & m- Xylenes	96.2		"	100		96.2	82-128		1.60	30	
p-Isopropyltoluene	51.0		"	50.0		102	85-125		1.94	30	
sec-Butylbenzene	48.8		"	50.0		97.5	83-125		0.532	30	
Styrene	47.4		"	50.0		94.7	86-126		1.55	30	
tert-Butyl alcohol (TBA)	257		"	250		103	70-130		1.06	30	
tert-Butylbenzene	41.8		"	50.0		83.6	80-127		0.644	30	
Tetrachloroethylene	37.5		"	50.0		75.0	80-129	Low Bias	0.797	30	
Toluene	47.8		"	50.0		95.6	85-121		2.77	30	
trans-1,2-Dichloroethylene	42.5		"	50.0		85.0	72-132		0.0470	30	
trans-1,3-Dichloropropylene	53.6		"	50.0		107	78-132		1.57	30	
Trichloroethylene	45.4		"	50.0		90.8	84-123		2.50	30	
Trichlorofluoromethane	47.8		"	50.0		95.6	62-140		5.67	30	
Vinyl acetate	48.8		"	50.0		97.7	67-136		0.205	30	
Vinyl Chloride	38.6		"	50.0		77.2	52-130		3.91	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	50.8		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	52.0		"	50.0		104	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30862 - EPA 5035A

LCS Dup (BG30862-BSD1) LCS Dup

Prepared & Analyzed: 07/27/2023

Surrogate: SURR: p-Bromofluorobenzene 51.4 ug/L 50.0 103 76-130

Batch BG31600 - EPA 5030B

Blank (BG31600-BLK1) Blank

Prepared & Analyzed: 07/26/2023

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	1.52	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

Blank (BG31600-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
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	0.500	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	11.0		"	10.0		110	69-130				
Surrogate: SURR: Toluene-d8	9.15		"	10.0		91.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.28		"	10.0		92.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

LCS (BG31600-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	9.45	ug/L	10.0	94.5	82-126						
1,1,1-Trichloroethane	10.4	"	10.0	104	78-136						
1,1,2,2-Tetrachloroethane	8.74	"	10.0	87.4	76-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	"	10.0	108	54-165						
1,1,2-Trichloroethane	8.48	"	10.0	84.8	82-123						
1,1-Dichloroethane	9.34	"	10.0	93.4	82-129						
1,1-Dichloroethylene	10.2	"	10.0	102	68-138						
1,1-Dichloropropylene	10.1	"	10.0	101	83-133						
1,2,3-Trichlorobenzene	9.20	"	10.0	92.0	76-136						
1,2,3-Trichloropropane	8.83	"	10.0	88.3	77-128						
1,2,4-Trichlorobenzene	9.68	"	10.0	96.8	76-137						
1,2,4-Trimethylbenzene	9.80	"	10.0	98.0	82-132						
1,2-Dibromo-3-chloropropane	8.11	"	10.0	81.1	45-147						
1,2-Dibromoethane	9.01	"	10.0	90.1	83-124						
1,2-Dichlorobenzene	9.32	"	10.0	93.2	79-123						
1,2-Dichloroethane	9.77	"	10.0	97.7	73-132						
1,2-Dichloropropane	8.51	"	10.0	85.1	78-126						
1,3,5-Trimethylbenzene	10.2	"	10.0	102	80-131						
1,3-Dichlorobenzene	9.38	"	10.0	93.8	86-122						
1,3-Dichloropropane	8.33	"	10.0	83.3	81-125						
1,4-Dichlorobenzene	9.43	"	10.0	94.3	85-124						
1,4-Dioxane	174	"	210	83.1	10-349						
2,2-Dichloropropane	13.8	"	10.0	138	56-150						
2-Butanone	9.31	"	10.0	93.1	49-152						
2-Chlorotoluene	9.43	"	10.0	94.3	79-130						
2-Hexanone	7.40	"	10.0	74.0	51-146						
4-Chlorotoluene	9.76	"	10.0	97.6	79-128						
4-Methyl-2-pentanone	8.08	"	10.0	80.8	57-145						
Acetone	12.2	"	10.0	122	14-150						
Acrolein	8.82	"	10.0	88.2	10-153						
Acrylonitrile	8.22	"	10.0	82.2	51-150						
Benzene	9.96	"	10.0	99.6	85-126						
Bromobenzene	8.83	"	10.0	88.3	78-129						
Bromochloromethane	8.99	"	10.0	89.9	77-128						
Bromodichloromethane	8.53	"	10.0	85.3	79-128						
Bromoform	9.29	"	10.0	92.9	78-133						
Bromomethane	7.62	"	10.0	76.2	43-168						
Carbon disulfide	9.65	"	10.0	96.5	68-146						
Carbon tetrachloride	10.7	"	10.0	107	77-141						
Chlorobenzene	9.37	"	10.0	93.7	88-120						
Chloroethane	8.94	"	10.0	89.4	65-136						
Chloroform	9.84	"	10.0	98.4	82-128						
Chloromethane	8.04	"	10.0	80.4	43-155						
cis-1,2-Dichloroethylene	10.1	"	10.0	101	83-129						
cis-1,3-Dichloropropylene	8.96	"	10.0	89.6	80-131						
Cyclohexane	4.45	"	10.0	44.5	63-149				Low Bias		
Dibromochloromethane	9.32	"	10.0	93.2	80-130						
Dibromomethane	8.15	"	10.0	81.5	72-134						
Dichlorodifluoromethane	6.98	"	10.0	69.8	44-144						
Ethyl Benzene	10.0	"	10.0	100	80-131						
Hexachlorobutadiene	9.59	"	10.0	95.9	67-146						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

LCS (BG31600-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
Isopropylbenzene	9.86	ug/L	10.0	98.6	76-140						
Methyl acetate	8.00	"	10.0	80.0	51-139						
Methyl tert-butyl ether (MTBE)	10.1	"	10.0	101	76-135						
Methylcyclohexane	9.53	"	10.0	95.3	72-143						
Methylene chloride	8.71	"	10.0	87.1	55-137						
n-Butylbenzene	9.68	"	10.0	96.8	79-132						
n-Propylbenzene	9.56	"	10.0	95.6	78-133						
o-Xylene	10.2	"	10.0	102	78-130						
p- & m- Xylenes	20.4	"	20.0	102	77-133						
p-Isopropyltoluene	10.1	"	10.0	101	81-136						
sec-Butylbenzene	9.59	"	10.0	95.9	79-137						
Styrene	10.0	"	10.0	100	67-132						
tert-Butyl alcohol (TBA)	27.0	"	50.0	54.0	25-162						
tert-Butylbenzene	8.43	"	10.0	84.3	77-138						
Tetrachloroethylene	9.67	"	10.0	96.7	82-131						
Toluene	9.79	"	10.0	97.9	80-127						
trans-1,2-Dichloroethylene	9.77	"	10.0	97.7	80-132						
trans-1,3-Dichloropropylene	8.82	"	10.0	88.2	78-131						
Trichloroethylene	8.93	"	10.0	89.3	82-128						
Trichlorofluoromethane	10.3	"	10.0	103	67-139						
Vinyl acetate	9.81	"	10.0	98.1	21-90	High Bias					
Vinyl Chloride	8.16	"	10.0	81.6	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3	"	10.0	103	69-130						
Surrogate: SURR: Toluene-d8	9.24	"	10.0	92.4	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.72	"	10.0	97.2	79-122						

LCS Dup (BG31600-BSD1)	LCS Dup	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	9.31	ug/L	10.0	93.1	82-126	1.49	30				
1,1,1-Trichloroethane	10.3	"	10.0	103	78-136	1.35	30				
1,1,2,2-Tetrachloroethane	8.89	"	10.0	88.9	76-129	1.70	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	"	10.0	104	54-165	3.86	30				
1,1,2-Trichloroethane	8.99	"	10.0	89.9	82-123	5.84	30				
1,1-Dichloroethane	9.32	"	10.0	93.2	82-129	0.214	30				
1,1-Dichloroethylene	9.82	"	10.0	98.2	68-138	3.60	30				
1,1-Dichloropropylene	9.72	"	10.0	97.2	83-133	3.54	30				
1,2,3-Trichlorobenzene	10.1	"	10.0	101	76-136	9.62	30				
1,2,3-Trichloropropane	9.08	"	10.0	90.8	77-128	2.79	30				
1,2,4-Trichlorobenzene	10.1	"	10.0	101	76-137	4.64	30				
1,2,4-Trimethylbenzene	9.19	"	10.0	91.9	82-132	6.42	30				
1,2-Dibromo-3-chloropropane	8.38	"	10.0	83.8	45-147	3.27	30				
1,2-Dibromoethane	9.53	"	10.0	95.3	83-124	5.61	30				
1,2-Dichlorobenzene	9.19	"	10.0	91.9	79-123	1.40	30				
1,2-Dichloroethane	10.1	"	10.0	101	73-132	3.62	30				
1,2-Dichloropropane	8.50	"	10.0	85.0	78-126	0.118	30				
1,3,5-Trimethylbenzene	9.60	"	10.0	96.0	80-131	6.45	30				
1,3-Dichlorobenzene	8.90	"	10.0	89.0	86-122	5.25	30				
1,3-Dichloropropane	8.72	"	10.0	87.2	81-125	4.57	30				
1,4-Dichlorobenzene	9.06	"	10.0	90.6	85-124	4.00	30				
1,4-Dioxane	192	"	210	91.5	10-349	9.62	30				
2,2-Dichloropropane	13.3	"	10.0	133	56-150	4.35	30				
2-Butanone	9.64	"	10.0	96.4	49-152	3.48	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31600 - EPA 5030B											
LCS Dup (BG31600-BSD1)	LCS Dup		Prepared & Analyzed: 07/26/2023								
2-Chlorotoluene	8.60		ug/L	10.0		86.0	79-130		9.21	30	
2-Hexanone	8.35		"	10.0		83.5	51-146		12.1	30	
4-Chlorotoluene	9.11		"	10.0		91.1	79-128		6.89	30	
4-Methyl-2-pentanone	9.17		"	10.0		91.7	57-145		12.6	30	
Acetone	12.5		"	10.0		125	14-150		2.34	30	
Acrolein	8.43		"	10.0		84.3	10-153		4.52	30	
Acrylonitrile	9.44		"	10.0		94.4	51-150		13.8	30	
Benzene	9.89		"	10.0		98.9	85-126		0.705	30	
Bromobenzene	8.38		"	10.0		83.8	78-129		5.23	30	
Bromochloromethane	9.05		"	10.0		90.5	77-128		0.665	30	
Bromodichloromethane	8.53		"	10.0		85.3	79-128		0.00	30	
Bromoform	9.82		"	10.0		98.2	78-133		5.55	30	
Bromomethane	7.83		"	10.0		78.3	43-168		2.72	30	
Carbon disulfide	9.22		"	10.0		92.2	68-146		4.56	30	
Carbon tetrachloride	10.5		"	10.0		105	77-141		2.55	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		0.214	30	
Chloroethane	8.43		"	10.0		84.3	65-136		5.87	30	
Chloroform	9.79		"	10.0		97.9	82-128		0.509	30	
Chloromethane	7.56		"	10.0		75.6	43-155		6.15	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		0.596	30	
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131		1.22	30	
Cyclohexane	4.34		"	10.0		43.4	63-149	Low Bias	2.50	30	
Dibromochloromethane	9.67		"	10.0		96.7	80-130		3.69	30	
Dibromomethane	8.62		"	10.0		86.2	72-134		5.61	30	
Dichlorodifluoromethane	6.47		"	10.0		64.7	44-144		7.58	30	
Ethyl Benzene	9.78		"	10.0		97.8	80-131		2.72	30	
Hexachlorobutadiene	9.75		"	10.0		97.5	67-146		1.65	30	
Isopropylbenzene	9.11		"	10.0		91.1	76-140		7.91	30	
Methyl acetate	8.48		"	10.0		84.8	51-139		5.83	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135		7.07	30	
Methylcyclohexane	9.32		"	10.0		93.2	72-143		2.23	30	
Methylene chloride	8.72		"	10.0		87.2	55-137		0.115	30	
n-Butylbenzene	9.11		"	10.0		91.1	79-132		6.07	30	
n-Propylbenzene	8.88		"	10.0		88.8	78-133		7.38	30	
o-Xylene	10.0		"	10.0		100	78-130		1.69	30	
p- & m- Xylenes	19.9		"	20.0		99.6	77-133		2.23	30	
p-Isopropyltoluene	9.39		"	10.0		93.9	81-136		7.19	30	
sec-Butylbenzene	8.95		"	10.0		89.5	79-137		6.90	30	
Styrene	10.0		"	10.0		100	67-132		0.100	30	
tert-Butyl alcohol (TBA)	28.2		"	50.0		56.4	25-162		4.42	30	
tert-Butylbenzene	7.84		"	10.0		78.4	77-138		7.25	30	
Tetrachloroethylene	9.33		"	10.0		93.3	82-131		3.58	30	
Toluene	9.62		"	10.0		96.2	80-127		1.75	30	
trans-1,2-Dichloroethylene	9.49		"	10.0		94.9	80-132		2.91	30	
trans-1,3-Dichloropropylene	9.15		"	10.0		91.5	78-131		3.67	30	
Trichloroethylene	8.66		"	10.0		86.6	82-128		3.07	30	
Trichlorofluoromethane	9.90		"	10.0		99.0	67-139		3.67	30	
Vinyl acetate	10.8		"	10.0		108	21-90	High Bias	9.24	30	
Vinyl Chloride	7.56		"	10.0		75.6	58-145		7.63	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURR: Toluene-d8	9.20		"	10.0		92.0	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

LCS Dup (BG31600-BSD1) LCS Dup

Prepared & Analyzed: 07/26/2023

Surrogate: SURR: p-Bromofluorobenzene	9.29		ug/L	10.0		92.9	79-122			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31322 - EPA 3510C

Blank (BG31322-BLK1)	Blank	Prepared: 07/24/2023 Analyzed: 07/25/2023									
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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31322 - EPA 3510C

Blank (BG31322-BLK1)	Blank								Prepared: 07/24/2023	Analyzed: 07/25/2023
N-Nitrosodiphenylamine	ND	5.00	ug/L							
Phenol	ND	5.00	"							
Pyridine	ND	5.00	"							
Surrogate: SURR: 2-Fluorophenol	18.9		"	50.0		37.8	19.7-63.1			
Surrogate: SURR: Phenol-d6	9.25		"	50.0		18.5	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5	22.6		"	25.0		90.3	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl	19.1		"	25.0		76.5	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol	58.9		"	50.0		118	39.3-151			
Surrogate: SURR: Terphenyl-d14	23.3		"	25.0		93.3	30.7-106			

Blank (BG31322-BLK2)	Blank								Prepared: 07/24/2023	Analyzed: 07/25/2023
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	0.520	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	ND	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31322 - EPA 3510C											
LCS (BG31322-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
1,1-Biphenyl	13.0	5.00	ug/L	25.0		52.0	33-95				
1,2,4,5-Tetrachlorobenzene	18.5	5.00	"	25.0		74.1	26-120				
1,2,4-Trichlorobenzene	15.4	5.00	"	25.0		61.5	20-118				
1,2-Dichlorobenzene	11.8	5.00	"	25.0		47.2	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	12.3	5.00	"	25.0		49.1	16-141				
1,3-Dichlorobenzene	11.6	5.00	"	25.0		46.5	23-117				
1,4-Dichlorobenzene	11.3	5.00	"	25.0		45.1	30-105				
2,3,4,6-Tetrachlorophenol	12.7	5.00	"	25.0		50.8	30-130				
2,4,5-Trichlorophenol	13.9	5.00	"	25.0		55.5	32-114				
2,4,6-Trichlorophenol	13.9	5.00	"	25.0		55.8	35-118				
2,4-Dichlorophenol	15.6	5.00	"	25.0		62.4	25-116				
2,4-Dimethylphenol	10.7	5.00	"	25.0		42.6	15-116				
2,4-Dinitrophenol	24.1	5.00	"	25.0		96.3	10-170				
2,4-Dinitrotoluene	18.1	5.00	"	25.0		72.3	41-128				
2,6-Dinitrotoluene	17.3	5.00	"	25.0		69.2	45-116				
2-Chloronaphthalene	12.4	5.00	"	25.0		49.6	33-112				
2-Chlorophenol	11.8	5.00	"	25.0		47.0	15-120				
2-Methylnaphthalene	13.9	5.00	"	25.0		55.6	24-118				
2-Methylphenol	4.90	5.00	"	25.0		19.6	10-110				
2-Nitroaniline	14.6	5.00	"	25.0		58.3	34-129				
2-Nitrophenol	17.2	5.00	"	25.0		68.8	28-118				
3- & 4-Methylphenols	7.84	5.00	"	25.0		31.4	10-107				
3,3-Dichlorobenzidine	11.5	5.00	"	25.0		46.1	15-187				
3-Nitroaniline	12.6	5.00	"	25.0		50.4	24-134				
4,6-Dinitro-2-methylphenol	28.5	5.00	"	25.0		114	10-153				
4-Bromophenyl phenyl ether	15.1	5.00	"	25.0		60.3	34-120				
4-Chloro-3-methylphenol	15.6	5.00	"	25.0		62.2	20-120				
4-Chloroaniline	11.4	5.00	"	25.0		45.5	10-147				
4-Chlorophenyl phenyl ether	14.3	5.00	"	25.0		57.1	27-121				
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias			
4-Nitrophenol	24.0	5.00	"	25.0		96.0	10-131				
Acetophenone	14.7	5.00	"	25.0		58.8	25-110				
Aniline	4.91	5.00	"	25.0		19.6	10-117				
Benzaldehyde	13.0	5.00	"	25.0		52.0	29-117				
Benzoic acid	3.26	5.00	"	25.0		13.0	30-130	Low Bias			
Benzyl alcohol	8.20	5.00	"	25.0		32.8	10-117				
Benzyl butyl phthalate	11.5	5.00	"	25.0		46.0	29-133				
Bis(2-chloroethoxy)methane	15.0	5.00	"	25.0		59.8	10-154				
Bis(2-chloroethyl)ether	13.0	5.00	"	25.0		52.2	17-125				
Bis(2-chloroisopropyl)ether	12.4	5.00	"	25.0		49.6	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	13.3	5.00	"	25.0		53.2	42-126				
Dibenzofuran	13.6	5.00	"	25.0		54.3	36-113				
Diethyl phthalate	13.6	5.00	"	25.0		54.5	38-115				
Dimethyl phthalate	14.3	5.00	"	25.0		57.0	38-129				
Di-n-butyl phthalate	12.3	5.00	"	25.0		49.0	31-120				
Di-n-octyl phthalate	12.2	5.00	"	25.0		48.8	21-149				
Hexachlorocyclopentadiene	8.22	10.0	"	25.0		32.9	10-130				
Isophorone	15.1	5.00	"	25.0		60.4	25-127				
N-nitroso-di-n-propylamine	12.8	5.00	"	25.0		51.0	26-122				
N-Nitrosodiphenylamine	14.8	5.00	"	25.0		59.4	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31322 - EPA 3510C

LCS (BG31322-BS1)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Phenol		4.91	5.00	ug/L	25.0		19.6	10-110			
Pyridine		3.32	5.00	"	25.5		13.0	10-90			
Surrogate: SURR: 2-Fluorophenol		18.5		"	50.0		36.9	19.7-63.1			
Surrogate: SURR: Phenol-d6		10.1		"	50.0		20.2	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5		20.8		"	25.0		83.2	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl		17.5		"	25.0		69.9	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol		54.2		"	50.0		108	39.3-151			
Surrogate: SURR: Terphenyl-d14		19.6		"	25.0		78.5	30.7-106			

LCS (BG31322-BS2)	LCS	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Acenaphthene		0.640	0.0500	ug/L	1.00		64.0	25-116			
Acenaphthylene		0.710	0.0500	"	1.00		71.0	26-116			
Anthracene		0.750	0.0500	"	1.00		75.0	25-123			
Benzo(a)anthracene		0.740	0.0500	"	1.00		74.0	33-125			
Benzo(a)pyrene		0.710	0.0500	"	1.00		71.0	32-132			
Benzo(b)fluoranthene		0.810	0.0500	"	1.00		81.0	22-137			
Benzo(g,h,i)perylene		0.880	0.0500	"	1.00		88.0	10-138			
Benzo(k)fluoranthene		0.740	0.0500	"	1.00		74.0	20-137			
Bis(2-ethylhexyl)phthalate		1.09	0.500	"	1.00		109	10-189			
Chrysene		0.710	0.0500	"	1.00		71.0	32-124			
Dibenzo(a,h)anthracene		0.900	0.0500	"	1.00		90.0	16-133			
Fluoranthene		0.770	0.0500	"	1.00		77.0	32-121			
Fluorene		0.740	0.0500	"	1.00		74.0	28-118			
Hexachlorobenzene		0.840	0.0200	"	1.00		84.0	23-124			
Hexachlorobutadiene		0.620	0.500	"	1.00		62.0	15-123			
Hexachloroethane		2.90	0.500	"	1.00		290	18-115	High Bias		
Indeno(1,2,3-cd)pyrene		0.930	0.0500	"	1.00		93.0	15-135			
Naphthalene		0.650	0.0500	"	1.00		65.0	18-120			
Nitrobenzene		0.880	0.250	"	1.00		88.0	21-121			
N-Nitrosodimethylamine		ND	0.500	"	1.00			10-124	Low Bias		
Pentachlorophenol		1.30	0.250	"	1.00		130	10-156			
Phenanthrene		0.710	0.0500	"	1.00		71.0	24-127			
Pyrene		0.640	0.0500	"	1.00		64.0	31-132			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31322 - EPA 3510C											
LCS Dup (BG31322-BSD1)		LCS Dup		Prepared: 07/24/2023 Analyzed: 07/25/2023							
1,1-Biphenyl	14.1	5.00	ug/L	25.0		56.4	33-95		8.27	20	
1,2,4,5-Tetrachlorobenzene	21.3	5.00	"	25.0		85.1	26-120		13.8	20	
1,2,4-Trichlorobenzene	17.3	5.00	"	25.0		69.2	20-118		11.9	20	
1,2-Dichlorobenzene	13.5	5.00	"	25.0		54.1	29-111		13.7	20	
1,2-Diphenylhydrazine (as Azobenzene)	13.4	5.00	"	25.0		53.7	16-141		9.03	20	
1,3-Dichlorobenzene	13.4	5.00	"	25.0		53.4	23-117		13.9	20	
1,4-Dichlorobenzene	12.9	5.00	"	25.0		51.8	30-105		13.8	20	
2,3,4,6-Tetrachlorophenol	14.1	5.00	"	25.0		56.5	30-130		10.6	20	
2,4,5-Trichlorophenol	15.4	5.00	"	25.0		61.5	32-114		10.3	20	
2,4,6-Trichlorophenol	17.7	5.00	"	25.0		70.9	35-118		23.9	20	Non-dir.
2,4-Dichlorophenol	17.1	5.00	"	25.0		68.2	25-116		8.88	20	
2,4-Dimethylphenol	11.3	5.00	"	25.0		45.1	15-116		5.56	20	
2,4-Dinitrophenol	27.0	5.00	"	25.0		108	10-170		11.5	20	
2,4-Dinitrotoluene	19.9	5.00	"	25.0		79.6	41-128		9.53	20	
2,6-Dinitrotoluene	19.0	5.00	"	25.0		76.0	45-116		9.42	20	
2-Chloronaphthalene	14.1	5.00	"	25.0		56.4	33-112		12.8	20	
2-Chlorophenol	12.5	5.00	"	25.0		50.0	15-120		6.19	20	
2-Methylnaphthalene	15.8	5.00	"	25.0		63.0	24-118		12.4	20	
2-Methylphenol	5.14	5.00	"	25.0		20.6	10-110		4.78	20	
2-Nitroaniline	15.6	5.00	"	25.0		62.4	34-129		6.89	20	
2-Nitrophenol	18.7	5.00	"	25.0		74.6	28-118		8.20	20	
3- & 4-Methylphenols	8.38	5.00	"	25.0		33.5	10-107		6.66	20	
3,3-Dichlorobenzidine	12.3	5.00	"	25.0		49.2	15-187		6.38	20	
3-Nitroaniline	12.6	5.00	"	25.0		50.5	24-134		0.238	20	
4,6-Dinitro-2-methylphenol	32.5	5.00	"	25.0		130	10-153		13.3	20	
4-Bromophenyl phenyl ether	16.4	5.00	"	25.0		65.7	34-120		8.51	20	
4-Chloro-3-methylphenol	16.5	5.00	"	25.0		65.8	20-120		5.69	20	
4-Chloroaniline	10.8	5.00	"	25.0		43.0	10-147		5.61	20	
4-Chlorophenyl phenyl ether	15.7	5.00	"	25.0		62.7	27-121		9.35	20	
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias		20	
4-Nitrophenol	24.2	5.00	"	25.0		96.6	10-131		0.664	20	
Acetophenone	15.6	5.00	"	25.0		62.5	25-110		6.06	20	
Aniline	3.77	5.00	"	25.0		15.1	10-117		26.3	20	Non-dir.
Benzaldehyde	14.0	5.00	"	25.0		56.2	29-117		7.69	20	
Benzoic acid	3.54	5.00	"	25.0		14.2	30-130	Low Bias	8.24	20	
Benzyl alcohol	8.26	5.00	"	25.0		33.0	10-117		0.729	20	
Benzyl butyl phthalate	12.2	5.00	"	25.0		48.9	29-133		6.15	20	
Bis(2-chloroethoxy)methane	16.5	5.00	"	25.0		65.8	10-154		9.61	20	
Bis(2-chloroethyl)ether	14.2	5.00	"	25.0		56.8	17-125		8.59	20	
Bis(2-chloroisopropyl)ether	13.5	5.00	"	25.0		54.2	10-139		8.87	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	14.2	5.00	"	25.0		56.8	42-126		6.54	20	
Dibenzofuran	15.1	5.00	"	25.0		60.4	36-113		10.7	20	
Diethyl phthalate	14.7	5.00	"	25.0		59.0	38-115		7.83	20	
Dimethyl phthalate	15.5	5.00	"	25.0		62.0	38-129		8.40	20	
Di-n-butyl phthalate	13.0	5.00	"	25.0		52.0	31-120		5.86	20	
Di-n-octyl phthalate	13.0	5.00	"	25.0		52.0	21-149		6.27	20	
Hexachlorocyclopentadiene	9.61	10.0	"	25.0		38.4	10-130		15.6	20	
Isophorone	16.8	5.00	"	25.0		67.3	25-127		10.9	20	
N-nitroso-di-n-propylamine	14.1	5.00	"	25.0		56.5	26-122		10.2	20	
N-Nitrosodiphenylamine	16.2	5.00	"	25.0		64.6	23-149		8.52	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31322 - EPA 3510C

LCS Dup (BG31322-BSD1)	LCS Dup	Prepared: 07/24/2023 Analyzed: 07/25/2023									
Phenol	5.07	5.00	ug/L	25.0		20.3	10-110		3.21	20	
Pyridine	ND	5.00	"	25.5			10-90	Low Bias		20	
Surrogate: SURR: 2-Fluorophenol	18.4		"	50.0		36.7	19.7-63.1				
Surrogate: SURR: Phenol-d6	9.86		"	50.0		19.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	22.4		"	25.0		89.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.0		"	25.0		76.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	56.9		"	50.0		114	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.6		"	25.0		78.5	30.7-106				

Batch BG31567 - EPA 3550C

Blank (BG31567-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023									
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	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Blank (BG31567-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
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	"								
Caprolactam	ND	0.0830	"								
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	1.47		"	1.66		88.6	20-108				
Surrogate: SURR: Phenol-d6	1.41		"	1.66		85.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.765		"	0.831		92.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.765		"	0.831		92.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.22		"	1.66		134	19-110				
Surrogate: SURR: Terphenyl-d14	0.727		"	0.831		87.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31567 - EPA 3550C											
LCS (BG31567-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
1,1-Biphenyl	0.817	0.0416	mg/kg wet	0.831		98.3	18-111				
1,2,4,5-Tetrachlorobenzene	1.17	0.0830	"	0.831		140	21-131	High Bias			
1,2,4-Trichlorobenzene	0.900	0.0416	"	0.831		108	10-140				
1,2-Dichlorobenzene	0.747	0.0416	"	0.831		89.9	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.878	0.0416	"	0.831		106	17-137				
1,3-Dichlorobenzene	0.754	0.0416	"	0.831		90.8	33-110				
1,4-Dichlorobenzene	0.754	0.0416	"	0.831		90.8	32-104				
2,3,4,6-Tetrachlorophenol	0.930	0.0830	"	0.831		112	30-130				
2,4,5-Trichlorophenol	0.999	0.0416	"	0.831		120	27-118	High Bias			
2,4,6-Trichlorophenol	0.912	0.0416	"	0.831		110	31-120				
2,4-Dichlorophenol	0.915	0.0416	"	0.831		110	20-127				
2,4-Dimethylphenol	0.714	0.0416	"	0.831		86.0	14-132				
2,4-Dinitrophenol	1.05	0.0830	"	0.831		127	10-171				
2,4-Dinitrotoluene	0.891	0.0416	"	0.831		107	34-131				
2,6-Dinitrotoluene	0.910	0.0416	"	0.831		110	31-128				
2-Chloronaphthalene	0.842	0.0416	"	0.831		101	31-117				
2-Chlorophenol	0.795	0.0416	"	0.831		95.8	33-113				
2-Methylnaphthalene	0.874	0.0416	"	0.831		105	12-138				
2-Methylphenol	0.814	0.0416	"	0.831		98.0	10-136				
2-Nitroaniline	0.875	0.0830	"	0.831		105	27-132				
2-Nitrophenol	0.918	0.0416	"	0.831		110	17-129				
3- & 4-Methylphenols	0.711	0.0416	"	0.831		85.6	29-103				
3,3-Dichlorobenzidine	0.741	0.0416	"	0.831		89.2	22-149				
3-Nitroaniline	0.726	0.0830	"	0.831		87.4	20-133				
4,6-Dinitro-2-methylphenol	1.24	0.0830	"	0.831		150	10-143	High Bias			
4-Bromophenyl phenyl ether	0.972	0.0416	"	0.831		117	29-120				
4-Chloro-3-methylphenol	0.914	0.0416	"	0.831		110	24-129				
4-Chloroaniline	0.547	0.0416	"	0.831		65.8	10-132				
4-Chlorophenyl phenyl ether	0.840	0.0416	"	0.831		101	27-124				
4-Nitroaniline	0.720	0.0830	"	0.831		86.7	16-128				
4-Nitrophenol	0.829	0.0830	"	0.831		99.8	10-141				
Acenaphthene	0.774	0.0416	"	0.831		93.2	30-121				
Acenaphthylene	0.798	0.0416	"	0.831		96.0	30-115				
Acetophenone	0.722	0.0416	"	0.831		86.9	20-112				
Aniline	0.367	0.166	"	0.831		44.2	10-119				
Anthracene	0.822	0.0416	"	0.831		99.0	34-118				
Atrazine	0.878	0.0416	"	0.831		106	26-112				
Benzaldehyde	0.679	0.0416	"	0.831		81.8	21-100				
Benzo(a)anthracene	0.827	0.0416	"	0.831		99.5	32-122				
Benzo(a)pyrene	0.877	0.0416	"	0.831		106	29-133				
Benzo(b)fluoranthene	0.862	0.0416	"	0.831		104	25-133				
Benzo(g,h,i)perylene	0.961	0.0416	"	0.831		116	10-143				
Benzo(k)fluoranthene	0.888	0.0416	"	0.831		107	25-128				
Benzoic acid	0.938	0.0416	"	0.831		113	10-140				
Benzyl alcohol	0.758	0.0416	"	0.831		91.3	30-115				
Benzyl butyl phthalate	0.736	0.0416	"	0.831		88.6	26-126				
Bis(2-chloroethoxy)methane	0.810	0.0416	"	0.831		97.5	19-132				
Bis(2-chloroethyl)ether	0.702	0.0416	"	0.831		84.5	19-125				
Bis(2-chloroisopropyl)ether	0.635	0.0416	"	0.831		76.4	20-135				
Bis(2-ethylhexyl)phthalate	0.756	0.0416	"	0.831		91.0	10-155				
Caprolactam	0.898	0.0830	"	0.831		108	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

LCS (BG31567-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Carbazole	0.827	0.0416	mg/kg wet	0.831		99.6	35-123				
Chrysene	0.835	0.0416	"	0.831		100	32-123				
Dibenzo(a,h)anthracene	1.07	0.0416	"	0.831		129	10-136				
Dibenzofuran	0.822	0.0416	"	0.831		99.0	29-121				
Diethyl phthalate	0.825	0.0416	"	0.831		99.3	34-116				
Dimethyl phthalate	0.863	0.0416	"	0.831		104	35-124				
Di-n-butyl phthalate	0.819	0.0416	"	0.831		98.6	31-116				
Di-n-octyl phthalate	0.769	0.0416	"	0.831		92.6	26-136				
Fluoranthene	0.823	0.0416	"	0.831		99.0	33-122				
Fluorene	0.817	0.0416	"	0.831		98.4	29-123				
Hexachlorobenzene	0.908	0.0416	"	0.831		109	21-124				
Hexachlorobutadiene	0.942	0.0416	"	0.831		113	10-149				
Hexachlorocyclopentadiene	0.578	0.0416	"	0.831		69.6	10-129				
Hexachloroethane	0.754	0.0416	"	0.831		90.8	28-108				
Indeno(1,2,3-cd)pyrene	1.04	0.0416	"	0.831		125	10-135				
Isophorone	0.825	0.0416	"	0.831		99.3	20-132				
Naphthalene	0.820	0.0416	"	0.831		98.7	23-124				
Nitrobenzene	0.846	0.0416	"	0.831		102	13-132				
N-Nitrosodimethylamine	0.632	0.0416	"	0.831		76.0	11-129				
N-nitroso-di-n-propylamine	0.710	0.0416	"	0.831		85.5	24-119				
N-Nitrosodiphenylamine	1.07	0.0416	"	0.831		129	22-152				
Pentachlorophenol	0.911	0.0416	"	0.831		110	10-139				
Phenanthrene	0.815	0.0416	"	0.831		98.1	33-123				
Phenol	0.776	0.0416	"	0.831		93.4	23-115				
Pyrene	0.766	0.0416	"	0.831		92.3	24-130				
Pyridine	0.539	0.166	"	0.831		64.9	10-91				
Surrogate: SURR: 2-Fluorophenol	1.56		"	1.66		93.9	20-108				
Surrogate: SURR: Phenol-d6	1.50		"	1.66		90.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.834		"	0.831		100	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.857		"	0.831		103	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.43		"	1.66		146	19-110				
Surrogate: SURR: Terphenyl-d14	0.801		"	0.831		96.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Matrix Spike (BG31567-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
1,1-Biphenyl	0.742	0.0845	mg/kg dry	0.844	ND	87.9	10-130				
1,2,4,5-Tetrachlorobenzene	1.07	0.169	"	0.844	ND	126	10-133				
1,2,4-Trichlorobenzene	0.866	0.0845	"	0.844	ND	103	10-127				
1,2-Dichlorobenzene	0.734	0.0845	"	0.844	ND	87.0	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.836	0.0845	"	0.844	ND	99.0	10-144				
1,3-Dichlorobenzene	0.723	0.0845	"	0.844	ND	85.7	11-111				
1,4-Dichlorobenzene	0.732	0.0845	"	0.844	ND	86.7	10-106				
2,3,4,6-Tetrachlorophenol	0.903	0.169	"	0.844	ND	107	30-130				
2,4,5-Trichlorophenol	0.950	0.0845	"	0.844	ND	113	10-127				
2,4,6-Trichlorophenol	0.853	0.0845	"	0.844	ND	101	10-132				
2,4-Dichlorophenol	0.880	0.0845	"	0.844	ND	104	10-128				
2,4-Dimethylphenol	0.683	0.0845	"	0.844	ND	81.0	10-137				
2,4-Dinitrophenol	0.888	0.169	"	0.844	ND	105	10-171				
2,4-Dinitrotoluene	0.877	0.0845	"	0.844	ND	104	16-135				
2,6-Dinitrotoluene	0.894	0.0845	"	0.844	ND	106	18-131				
2-Chloronaphthalene	0.782	0.0845	"	0.844	ND	92.6	10-129				
2-Chlorophenol	0.813	0.0845	"	0.844	ND	96.4	15-116				
2-Methylnaphthalene	0.844	0.0845	"	0.844	ND	100	10-147				
2-Methylphenol	0.818	0.0845	"	0.844	ND	96.9	10-136				
2-Nitroaniline	0.853	0.169	"	0.844	ND	101	10-137				
2-Nitrophenol	0.864	0.0845	"	0.844	ND	102	10-129				
3- & 4-Methylphenols	0.731	0.0845	"	0.844	ND	86.6	10-123				
3,3-Dichlorobenzidine	0.630	0.0845	"	0.844	ND	74.6	10-155				
3-Nitroaniline	0.719	0.169	"	0.844	ND	85.2	12-133				
4,6-Dinitro-2-methylphenol	1.08	0.169	"	0.844	ND	128	10-155				
4-Bromophenyl phenyl ether	0.958	0.0845	"	0.844	ND	114	14-128				
4-Chloro-3-methylphenol	0.933	0.0845	"	0.844	ND	111	10-134				
4-Chloroaniline	0.577	0.0845	"	0.844	ND	68.4	10-145				
4-Chlorophenyl phenyl ether	0.813	0.0845	"	0.844	ND	96.3	14-130				
4-Nitroaniline	0.807	0.169	"	0.844	ND	95.7	10-147				
4-Nitrophenol	0.805	0.169	"	0.844	ND	95.4	10-137				
Acenaphthene	0.745	0.0845	"	0.844	ND	88.2	10-146				
Acenaphthylene	0.759	0.0845	"	0.844	ND	89.9	10-134				
Acetophenone	0.714	0.0845	"	0.844	ND	84.6	10-116				
Aniline	0.347	0.338	"	0.844	ND	41.1	10-123				
Anthracene	0.760	0.0845	"	0.844	ND	90.1	10-142				
Atrazine	0.840	0.0845	"	0.844	ND	99.5	19-115				
Benzaldehyde	0.691	0.0845	"	0.844	ND	81.8	10-125				
Benzo(a)anthracene	0.812	0.0845	"	0.844	ND	96.2	10-158				
Benzo(a)pyrene	0.905	0.0845	"	0.844	ND	107	10-180				
Benzo(b)fluoranthene	0.907	0.0845	"	0.844	ND	108	10-200				
Benzo(g,h,i)perylene	0.992	0.0845	"	0.844	ND	118	10-138				
Benzo(k)fluoranthene	0.889	0.0845	"	0.844	ND	105	10-197				
Benzoic acid	0.391	0.0845	"	0.844	ND	46.3	10-166				
Benzyl alcohol	0.764	0.0845	"	0.844	ND	90.6	12-124				
Benzyl butyl phthalate	0.714	0.0845	"	0.844	ND	84.6	10-154				
Bis(2-chloroethoxy)methane	0.767	0.0845	"	0.844	ND	90.9	10-132				
Bis(2-chloroethyl)ether	0.708	0.0845	"	0.844	ND	83.8	10-119				
Bis(2-chloroisopropyl)ether	0.647	0.0845	"	0.844	ND	76.7	10-139				
Bis(2-ethylhexyl)phthalate	0.737	0.0845	"	0.844	ND	87.3	10-167				
Caprolactam	0.892	0.169	"	0.844	ND	106	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Matrix Spike (BG31567-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
Carbazole	0.786	0.0845	mg/kg dry	0.844	ND	93.1	10-167				
Chrysene	0.820	0.0845	"	0.844	ND	97.2	10-156				
Dibenzo(a,h)anthracene	1.07	0.0845	"	0.844	ND	127	10-137				
Dibenzofuran	0.795	0.0845	"	0.844	ND	94.2	10-147				
Diethyl phthalate	0.805	0.0845	"	0.844	ND	95.4	20-120				
Dimethyl phthalate	0.810	0.0845	"	0.844	ND	96.0	18-131				
Di-n-butyl phthalate	0.751	0.0845	"	0.844	ND	89.0	10-137				
Di-n-octyl phthalate	0.743	0.0845	"	0.844	ND	88.0	10-180				
Fluoranthene	0.781	0.0845	"	0.844	ND	92.6	10-160				
Fluorene	0.786	0.0845	"	0.844	ND	93.2	10-157				
Hexachlorobenzene	0.893	0.0845	"	0.844	ND	106	10-137				
Hexachlorobutadiene	0.902	0.0845	"	0.844	ND	107	10-132				
Hexachlorocyclopentadiene	0.385	0.0845	"	0.844	ND	45.7	10-106				
Hexachloroethane	0.718	0.0845	"	0.844	ND	85.1	10-110				
Indeno(1,2,3-cd)pyrene	1.11	0.0845	"	0.844	ND	132	10-144				
Isophorone	0.792	0.0845	"	0.844	ND	93.8	10-132				
Naphthalene	0.802	0.0845	"	0.844	ND	95.0	10-141				
Nitrobenzene	0.806	0.0845	"	0.844	ND	95.5	10-131				
N-Nitrosodimethylamine	0.643	0.0845	"	0.844	ND	76.2	10-126				
N-nitroso-di-n-propylamine	0.724	0.0845	"	0.844	ND	85.8	10-125				
N-Nitrosodiphenylamine	1.00	0.0845	"	0.844	ND	119	10-177				
Pentachlorophenol	0.766	0.0845	"	0.844	ND	90.7	10-153				
Phenanthrene	0.778	0.0845	"	0.844	ND	92.2	10-148				
Phenol	0.777	0.0845	"	0.844	ND	92.1	10-126				
Pyrene	0.730	0.0845	"	0.844	ND	86.6	10-165				
Pyridine	0.508	0.338	"	0.844	ND	60.2	10-83				
Surrogate: SURR: 2-Fluorophenol	1.57		"	1.69		93.1	20-108				
Surrogate: SURR: Phenol-d6	1.53		"	1.69		90.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.818		"	0.844		96.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.784		"	0.844		93.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.29		"	1.69		136	19-110				
Surrogate: SURR: Terphenyl-d14	0.756		"	0.844		89.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31567 - EPA 3550C											
Matrix Spike Dup (BG31567-1) Matrix Spike Dup											
Source sample: 23G1204-01 (Matrix Spike Dup)						Prepared: 07/27/2023 Analyzed: 07/28/2023					
1,1-Biphenyl	0.751	0.0867	mg/kg dry	0.866	ND	86.6	10-130		1.16	30	
1,2,4,5-Tetrachlorobenzene	1.07	0.173	"	0.866	ND	123	10-133		0.0728	30	
1,2,4-Trichlorobenzene	0.864	0.0867	"	0.866	ND	99.7	10-127		0.303	30	
1,2-Dichlorobenzene	0.727	0.0867	"	0.866	ND	83.9	14-111		0.935	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.847	0.0867	"	0.866	ND	97.8	10-144		1.32	30	
1,3-Dichlorobenzene	0.732	0.0867	"	0.866	ND	84.5	11-111		1.21	30	
1,4-Dichlorobenzene	0.729	0.0867	"	0.866	ND	84.2	10-106		0.373	30	
2,3,4,6-Tetrachlorophenol	0.917	0.173	"	0.866	ND	106	30-130		1.57	30	
2,4,5-Trichlorophenol	0.929	0.0867	"	0.866	ND	107	10-127		2.18	30	
2,4,6-Trichlorophenol	0.830	0.0867	"	0.866	ND	95.8	10-132		2.74	30	
2,4-Dichlorophenol	0.883	0.0867	"	0.866	ND	102	10-128		0.372	30	
2,4-Dimethylphenol	0.672	0.0867	"	0.866	ND	77.5	10-137		1.72	30	
2,4-Dinitrophenol	0.858	0.173	"	0.866	ND	99.0	10-171		3.49	30	
2,4-Dinitrotoluene	0.893	0.0867	"	0.866	ND	103	16-135		1.85	30	
2,6-Dinitrotoluene	0.856	0.0867	"	0.866	ND	98.8	18-131		4.33	30	
2-Chloronaphthalene	0.799	0.0867	"	0.866	ND	92.2	10-129		2.19	30	
2-Chlorophenol	0.785	0.0867	"	0.866	ND	90.6	15-116		3.54	30	
2-Methylnaphthalene	0.847	0.0867	"	0.866	ND	97.8	10-147		0.358	30	
2-Methylphenol	0.779	0.0867	"	0.866	ND	89.9	10-136		4.83	30	
2-Nitroaniline	0.844	0.173	"	0.866	ND	97.4	10-137		1.00	30	
2-Nitrophenol	0.855	0.0867	"	0.866	ND	98.7	10-129		1.04	30	
3- & 4-Methylphenols	0.703	0.0867	"	0.866	ND	81.1	10-123		3.96	30	
3,3-Dichlorobenzidine	0.710	0.0867	"	0.866	ND	81.9	10-155		11.9	30	
3-Nitroaniline	0.730	0.173	"	0.866	ND	84.3	12-133		1.58	30	
4,6-Dinitro-2-methylphenol	1.00	0.173	"	0.866	ND	116	10-155		7.75	30	
4-Bromophenyl phenyl ether	0.922	0.0867	"	0.866	ND	106	14-128		3.78	30	
4-Chloro-3-methylphenol	0.928	0.0867	"	0.866	ND	107	10-134		0.538	30	
4-Chloroaniline	0.566	0.0867	"	0.866	ND	65.3	10-145		2.05	30	
4-Chlorophenyl phenyl ether	0.825	0.0867	"	0.866	ND	95.3	14-130		1.54	30	
4-Nitroaniline	0.825	0.173	"	0.866	ND	95.2	10-147		2.12	30	
4-Nitrophenol	0.810	0.173	"	0.866	ND	93.5	10-137		0.591	30	
Acenaphthene	0.746	0.0867	"	0.866	ND	86.1	10-146		0.145	30	
Acenaphthylene	0.760	0.0867	"	0.866	ND	87.7	10-134		0.100	30	
Acetophenone	0.703	0.0867	"	0.866	ND	81.2	10-116		1.43	30	
Aniline	0.297	0.347	"	0.866	ND	34.2	10-123		15.7	30	
Anthracene	0.752	0.0867	"	0.866	ND	86.8	10-142		1.09	30	
Atrazine	0.848	0.0867	"	0.866	ND	97.9	19-115		1.00	30	
Benzaldehyde	0.695	0.0867	"	0.866	ND	80.2	10-125		0.649	30	
Benzo(a)anthracene	0.801	0.0867	"	0.866	ND	92.5	10-158		1.36	30	
Benzo(a)pyrene	0.877	0.0867	"	0.866	ND	101	10-180		3.13	30	
Benzo(b)fluoranthene	0.877	0.0867	"	0.866	ND	101	10-200		3.36	30	
Benzo(g,h,i)perylene	0.958	0.0867	"	0.866	ND	111	10-138		3.55	30	
Benzo(k)fluoranthene	0.866	0.0867	"	0.866	ND	100	10-197		2.60	30	
Benzoic acid	0.416	0.0867	"	0.866	ND	48.0	10-166		6.18	30	
Benzyl alcohol	0.752	0.0867	"	0.866	ND	86.8	12-124		1.62	30	
Benzyl butyl phthalate	0.699	0.0867	"	0.866	ND	80.7	10-154		2.02	30	
Bis(2-chloroethoxy)methane	0.766	0.0867	"	0.866	ND	88.4	10-132		0.144	30	
Bis(2-chloroethyl)ether	0.677	0.0867	"	0.866	ND	78.2	10-119		4.39	30	
Bis(2-chloroisopropyl)ether	0.641	0.0867	"	0.866	ND	74.0	10-139		0.987	30	
Bis(2-ethylhexyl)phthalate	0.747	0.0867	"	0.866	ND	86.2	10-167		1.42	30	
Caprolactam	0.919	0.173	"	0.866	ND	106	10-132		3.00	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Matrix Spike Dup (BG31567-1) Matrix Spike Dup					Source sample: 23G1204-01 (Matrix Spike Dup)							Prepared: 07/27/2023 Analyzed: 07/28/2023	
Carbazole	0.782	0.0867	mg/kg dry	0.866	ND	90.2	10-167		0.519	30			
Chrysene	0.816	0.0867	"	0.866	ND	94.2	10-156		0.469	30			
Dibenzo(a,h)anthracene	1.05	0.0867	"	0.866	ND	121	10-137		2.29	30			
Dibenzofuran	0.806	0.0867	"	0.866	ND	93.0	10-147		1.34	30			
Diethyl phthalate	0.814	0.0867	"	0.866	ND	94.0	20-120		1.19	30			
Dimethyl phthalate	0.841	0.0867	"	0.866	ND	97.1	18-131		3.78	30			
Di-n-butyl phthalate	0.760	0.0867	"	0.866	ND	87.8	10-137		1.18	30			
Di-n-octyl phthalate	0.755	0.0867	"	0.866	ND	87.2	10-180		1.71	30			
Fluoranthene	0.794	0.0867	"	0.866	ND	91.6	10-160		1.58	30			
Fluorene	0.782	0.0867	"	0.866	ND	90.3	10-157		0.516	30			
Hexachlorobenzene	0.913	0.0867	"	0.866	ND	105	10-137		2.17	30			
Hexachlorobutadiene	0.875	0.0867	"	0.866	ND	101	10-132		3.07	30			
Hexachlorocyclopentadiene	0.369	0.0867	"	0.866	ND	42.6	10-106		4.45	30			
Hexachloroethane	0.741	0.0867	"	0.866	ND	85.5	10-110		3.09	30			
Indeno(1,2,3-cd)pyrene	1.07	0.0867	"	0.866	ND	124	10-144		3.64	30			
Isophorone	0.791	0.0867	"	0.866	ND	91.4	10-132		0.0552	30			
Naphthalene	0.799	0.0867	"	0.866	ND	92.2	10-141		0.367	30			
Nitrobenzene	0.810	0.0867	"	0.866	ND	93.5	10-131		0.507	30			
N-Nitrosodimethylamine	0.613	0.0867	"	0.866	ND	70.8	10-126		4.67	30			
N-nitroso-di-n-propylamine	0.717	0.0867	"	0.866	ND	82.7	10-125		1.08	30			
N-Nitrosodiphenylamine	1.00	0.0867	"	0.866	ND	116	10-177		0.0345	30			
Pentachlorophenol	0.724	0.0867	"	0.866	ND	83.6	10-153		5.55	30			
Phenanthrene	0.791	0.0867	"	0.866	ND	91.4	10-148		1.75	30			
Phenol	0.759	0.0867	"	0.866	ND	87.6	10-126		2.36	30			
Pyrene	0.739	0.0867	"	0.866	ND	85.3	10-165		1.13	30			
Pyridine	0.539	0.347	"	0.866	ND	62.2	10-83		5.89	30			
Surrogate: SURR: 2-Fluorophenol	1.52		"	1.73		87.7	20-108						
Surrogate: SURR: Phenol-d6	1.45		"	1.73		83.9	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.781		"	0.866		90.2	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.780		"	0.866		90.0	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	2.30		"	1.73		133	19-110						
Surrogate: SURR: Terphenyl-d14	0.737		"	0.866		85.1	24-116						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Blank (BH30120-BLK1)	Blank										Prepared: 08/02/2023 Analyzed: 08/04/2023
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Blank (BH30120-BLK1)		Blank		Prepared: 08/02/2023 Analyzed: 08/04/2023							
Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.35		"	1.67		80.8	20-108				
Surrogate: SURR: Phenol-d6	1.25		"	1.67		74.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.770		"	0.833		92.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.676		"	0.833		81.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.05		"	1.67		123	19-110				
Surrogate: SURR: Terphenyl-d14	0.804		"	0.833		96.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

LCS (BH30120-BS1)	LCS	Prepared: 08/02/2023 Analyzed: 08/04/2023									
1,1-Biphenyl	0.455	0.0417	mg/kg wet	0.833		54.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.948	0.0833	"	0.833		114	21-131				
1,2,4-Trichlorobenzene	0.754	0.0417	"	0.833		90.4	10-140				
1,2-Dichlorobenzene	0.596	0.0417	"	0.833		71.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.586	0.0417	"	0.833		70.3	17-137				
1,3-Dichlorobenzene	0.589	0.0417	"	0.833		70.7	33-110				
1,4-Dichlorobenzene	0.571	0.0417	"	0.833		68.6	32-104				
2,3,4,6-Tetrachlorophenol	0.856	0.0833	"	0.833		103	30-130				
2,4,5-Trichlorophenol	0.681	0.0417	"	0.833		81.8	27-118				
2,4,6-Trichlorophenol	0.785	0.0417	"	0.833		94.2	31-120				
2,4-Dichlorophenol	0.754	0.0417	"	0.833		90.4	20-127				
2,4-Dimethylphenol	0.515	0.0417	"	0.833		61.8	14-132				
2,4-Dinitrophenol	1.18	0.0833	"	0.833		142	10-171				
2,4-Dinitrotoluene	0.929	0.0417	"	0.833		112	34-131				
2,6-Dinitrotoluene	0.858	0.0417	"	0.833		103	31-128				
2-Chloronaphthalene	0.623	0.0417	"	0.833		74.8	31-117				
2-Chlorophenol	0.628	0.0417	"	0.833		75.4	33-113				
2-Methylnaphthalene	0.696	0.0417	"	0.833		83.6	12-138				
2-Methylphenol	0.642	0.0417	"	0.833		77.0	10-136				
2-Nitroaniline	0.720	0.0833	"	0.833		86.4	27-132				
2-Nitrophenol	0.797	0.0417	"	0.833		95.7	17-129				
3- & 4-Methylphenols	0.577	0.0417	"	0.833		69.3	29-103				
3,3-Dichlorobenzidine	0.534	0.0417	"	0.833		64.0	22-149				
3-Nitroaniline	0.626	0.0833	"	0.833		75.1	20-133				
4,6-Dinitro-2-methylphenol	1.30	0.0833	"	0.833		156	10-143	High Bias			
4-Bromophenyl phenyl ether	0.717	0.0417	"	0.833		86.0	29-120				
4-Chloro-3-methylphenol	0.778	0.0417	"	0.833		93.3	24-129				
4-Chloroaniline	0.517	0.0417	"	0.833		62.0	10-132				
4-Chlorophenyl phenyl ether	0.703	0.0417	"	0.833		84.4	27-124				
4-Nitroaniline	ND	0.0833	"	0.833			16-128	Low Bias			
4-Nitrophenol	1.12	0.0833	"	0.833		134	10-141				
Acenaphthene	0.602	0.0417	"	0.833		72.2	30-121				
Acenaphthylene	0.602	0.0417	"	0.833		72.3	30-115				
Acetophenone	0.496	0.0417	"	0.833		59.5	20-112				
Aniline	0.416	0.167	"	0.833		49.9	10-119				
Anthracene	0.645	0.0417	"	0.833		77.4	34-118				
Atrazine	0.535	0.0417	"	0.833		64.2	26-112				
Benzaldehyde	0.420	0.0417	"	0.833		50.4	21-100				
Benzo(a)anthracene	0.690	0.0417	"	0.833		82.8	32-122				
Benzo(a)pyrene	0.689	0.0417	"	0.833		82.6	29-133				
Benzo(b)fluoranthene	0.727	0.0417	"	0.833		87.2	25-133				
Benzo(g,h,i)perylene	0.685	0.0417	"	0.833		82.2	10-143				
Benzo(k)fluoranthene	0.739	0.0417	"	0.833		88.7	25-128				
Benzoic acid	0.521	0.0417	"	0.833		62.6	10-140				
Benzyl alcohol	0.603	0.0417	"	0.833		72.3	30-115				
Benzyl butyl phthalate	0.617	0.0417	"	0.833		74.1	26-126				
Bis(2-chloroethoxy)methane	0.670	0.0417	"	0.833		80.4	19-132				
Bis(2-chloroethyl)ether	0.603	0.0417	"	0.833		72.4	19-125				
Bis(2-chloroisopropyl)ether	0.541	0.0417	"	0.833		64.9	20-135				
Bis(2-ethylhexyl)phthalate	0.646	0.0417	"	0.833		77.5	10-155				
Caprolactam	0.627	0.0833	"	0.833		75.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

LCS (BH30120-BS1)	LCS	Prepared: 08/02/2023 Analyzed: 08/04/2023									
Carbazole	0.631	0.0417	mg/kg wet	0.833		75.8	35-123				
Chrysene	0.704	0.0417	"	0.833		84.5	32-123				
Dibenzo(a,h)anthracene	0.710	0.0417	"	0.833		85.2	10-136				
Dibenzofuran	0.676	0.0417	"	0.833		81.1	29-121				
Diethyl phthalate	0.681	0.0417	"	0.833		81.8	34-116				
Dimethyl phthalate	0.696	0.0417	"	0.833		83.5	35-124				
Di-n-butyl phthalate	0.636	0.0417	"	0.833		76.4	31-116				
Di-n-octyl phthalate	0.628	0.0417	"	0.833		75.4	26-136				
Fluoranthene	0.681	0.0417	"	0.833		81.7	33-122				
Fluorene	0.646	0.0417	"	0.833		77.6	29-123				
Hexachlorobenzene	0.697	0.0417	"	0.833		83.6	21-124				
Hexachlorobutadiene	0.839	0.0417	"	0.833		101	10-149				
Hexachlorocyclopentadiene	0.398	0.0417	"	0.833		47.7	10-129				
Hexachloroethane	0.605	0.0417	"	0.833		72.6	28-108				
Indeno(1,2,3-cd)pyrene	0.690	0.0417	"	0.833		82.8	10-135				
Isophorone	0.703	0.0417	"	0.833		84.3	20-132				
Naphthalene	0.634	0.0417	"	0.833		76.1	23-124				
Nitrobenzene	0.712	0.0417	"	0.833		85.4	13-132				
N-Nitrosodimethylamine	0.527	0.0417	"	0.833		63.2	11-129				
N-nitroso-di-n-propylamine	0.597	0.0417	"	0.833		71.6	24-119				
N-Nitrosodiphenylamine	0.724	0.0417	"	0.833		86.8	22-152				
Pentachlorophenol	0.797	0.0417	"	0.833		95.6	10-139				
Phenanthrene	0.645	0.0417	"	0.833		77.4	33-123				
Phenol	0.660	0.0417	"	0.833		79.2	23-115				
Pyrene	0.663	0.0417	"	0.833		79.5	24-130				
Pyridine	0.441	0.167	"	0.833		53.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.23		"	1.67		73.6	20-108				
Surrogate: SURR: Phenol-d6	1.23		"	1.67		73.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.703		"	0.833		84.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.643		"	0.833		77.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.98		"	1.67		119	19-110				
Surrogate: SURR: Terphenyl-d14	0.695		"	0.833		83.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Matrix Spike (BH30120-MS1)	Matrix Spike	*Source sample: 23G1620-02 (Matrix Spike)						Prepared: 08/02/2023 Analyzed: 08/04/2023			
1,1-Biphenyl	0.491	0.0832	mg/kg dry	0.832	ND	59.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.979	0.166	"	0.832	ND	118	10-133				
1,2,4-Trichlorobenzene	0.793	0.0832	"	0.832	ND	95.4	10-127				
1,2-Dichlorobenzene	0.625	0.0832	"	0.832	ND	75.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.619	0.0832	"	0.832	ND	74.4	10-144				
1,3-Dichlorobenzene	0.607	0.0832	"	0.832	ND	73.0	11-111				
1,4-Dichlorobenzene	0.589	0.0832	"	0.832	ND	70.8	10-106				
2,3,4,6-Tetrachlorophenol	0.716	0.166	"	0.832	ND	86.2	30-130				
2,4,5-Trichlorophenol	0.675	0.0832	"	0.832	ND	81.1	10-127				
2,4,6-Trichlorophenol	0.803	0.0832	"	0.832	ND	96.6	10-132				
2,4-Dichlorophenol	0.763	0.0832	"	0.832	ND	91.8	10-128				
2,4-Dimethylphenol	0.511	0.0832	"	0.832	ND	61.4	10-137				
2,4-Dinitrophenol	0.786	0.166	"	0.832	ND	94.5	10-171				
2,4-Dinitrotoluene	0.913	0.0832	"	0.832	ND	110	16-135				
2,6-Dinitrotoluene	0.851	0.0832	"	0.832	ND	102	18-131				
2-Chloronaphthalene	0.642	0.0832	"	0.832	ND	77.2	10-129				
2-Chlorophenol	0.631	0.0832	"	0.832	ND	75.8	15-116				
2-Methylnaphthalene	0.712	0.0832	"	0.832	ND	85.6	10-147				
2-Methylphenol	0.622	0.0832	"	0.832	ND	74.8	10-136				
2-Nitroaniline	0.730	0.166	"	0.832	ND	87.8	10-137				
2-Nitrophenol	0.786	0.0832	"	0.832	ND	94.6	10-129				
3- & 4-Methylphenols	0.545	0.0832	"	0.832	ND	65.6	10-123				
3,3-Dichlorobenzidine	0.541	0.0832	"	0.832	ND	65.1	10-155				
3-Nitroaniline	0.633	0.166	"	0.832	ND	76.1	12-133				
4,6-Dinitro-2-methylphenol	1.09	0.166	"	0.832	ND	131	10-155				
4-Bromophenyl phenyl ether	0.740	0.0832	"	0.832	ND	89.0	14-128				
4-Chloro-3-methylphenol	0.790	0.0832	"	0.832	ND	95.0	10-134				
4-Chloroaniline	0.476	0.0832	"	0.832	ND	57.2	10-145				
4-Chlorophenyl phenyl ether	0.720	0.0832	"	0.832	ND	86.6	14-130				
4-Nitroaniline	0.589	0.166	"	0.832	ND	70.9	10-147				
4-Nitrophenol	1.15	0.166	"	0.832	ND	138	10-137	High Bias			
Acenaphthene	0.633	0.0832	"	0.832	ND	76.1	10-146				
Acenaphthylene	0.613	0.0832	"	0.832	ND	73.8	10-134				
Acetophenone	0.539	0.0832	"	0.832	ND	64.8	10-116				
Aniline	0.286	0.333	"	0.832	ND	34.4	10-123				
Anthracene	0.681	0.0832	"	0.832	ND	81.9	10-142				
Atrazine	0.568	0.0832	"	0.832	ND	68.3	19-115				
Benzaldehyde	0.449	0.0832	"	0.832	ND	54.0	10-125				
Benzo(a)anthracene	0.730	0.0832	"	0.832	ND	87.8	10-158				
Benzo(a)pyrene	0.731	0.0832	"	0.832	ND	87.9	10-180				
Benzo(b)fluoranthene	0.781	0.0832	"	0.832	ND	93.9	10-200				
Benzo(g,h,i)perylene	0.729	0.0832	"	0.832	ND	87.7	10-138				
Benzo(k)fluoranthene	0.793	0.0832	"	0.832	ND	95.4	10-197				
Benzoic acid	0.440	0.0832	"	0.832	ND	53.0	10-166				
Benzyl alcohol	0.584	0.0832	"	0.832	ND	70.2	12-124				
Benzyl butyl phthalate	0.611	0.0832	"	0.832	ND	73.5	10-154				
Bis(2-chloroethoxy)methane	0.685	0.0832	"	0.832	ND	82.4	10-132				
Bis(2-chloroethyl)ether	0.603	0.0832	"	0.832	ND	72.6	10-119				
Bis(2-chloroisopropyl)ether	0.547	0.0832	"	0.832	ND	65.8	10-139				
Bis(2-ethylhexyl)phthalate	0.653	0.0832	"	0.832	ND	78.6	10-167				
Caprolactam	0.644	0.166	"	0.832	ND	77.4	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Matrix Spike (BH30120-MS1)	Matrix Spike	*Source sample: 23G1620-02 (Matrix Spike)						Prepared: 08/02/2023 Analyzed: 08/04/2023			
Carbazole	0.663	0.0832	mg/kg dry	0.832	ND	79.8	10-167				
Chrysene	0.762	0.0832	"	0.832	ND	91.7	10-156				
Dibenzo(a,h)anthracene	0.750	0.0832	"	0.832	ND	90.2	10-137				
Dibenzofuran	0.698	0.0832	"	0.832	ND	84.0	10-147				
Diethyl phthalate	0.700	0.0832	"	0.832	ND	84.2	20-120				
Dimethyl phthalate	0.703	0.0832	"	0.832	ND	84.6	18-131				
Di-n-butyl phthalate	0.639	0.0832	"	0.832	ND	76.8	10-137				
Di-n-octyl phthalate	0.645	0.0832	"	0.832	ND	77.6	10-180				
Fluoranthene	0.712	0.0832	"	0.832	ND	85.6	10-160				
Fluorene	0.656	0.0832	"	0.832	ND	78.9	10-157				
Hexachlorobenzene	0.737	0.0832	"	0.832	ND	88.6	10-137				
Hexachlorobutadiene	0.856	0.0832	"	0.832	ND	103	10-132				
Hexachlorocyclopentadiene	0.335	0.0832	"	0.832	ND	40.3	10-106				
Hexachloroethane	0.619	0.0832	"	0.832	ND	74.5	10-110				
Indeno(1,2,3-cd)pyrene	0.718	0.0832	"	0.832	ND	86.3	10-144				
Isophorone	0.679	0.0832	"	0.832	ND	81.6	10-132				
Naphthalene	0.659	0.0832	"	0.832	ND	79.2	10-141				
Nitrobenzene	0.746	0.0832	"	0.832	ND	89.8	10-131				
N-Nitrosodimethylamine	0.553	0.0832	"	0.832	ND	66.5	10-126				
N-nitroso-di-n-propylamine	0.581	0.0832	"	0.832	ND	69.8	10-125				
N-Nitrosodiphenylamine	0.734	0.0832	"	0.832	ND	88.3	10-177				
Pentachlorophenol	0.742	0.0832	"	0.832	ND	89.2	10-153				
Phenanthrene	0.682	0.0832	"	0.832	ND	82.1	10-148				
Phenol	0.684	0.0832	"	0.832	ND	82.3	10-126				
Pyrene	0.686	0.0832	"	0.832	ND	82.5	10-165				
Pyridine	0.464	0.333	"	0.832	ND	55.8	10-83				
Surrogate: SURR: 2-Fluorophenol	1.24		"	1.66		74.8	20-108				
Surrogate: SURR: Phenol-d6	1.20		"	1.66		72.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.719		"	0.832		86.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.662		"	0.832		79.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.96		"	1.66		118	19-110				
Surrogate: SURR: Terphenyl-d14	0.724		"	0.832		87.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30120 - EPA 3546 SVOA											
Matrix Spike Dup (BH30120-1)				Matrix Spike Dup				Source sample: 23G1620-02 (Matrix Spike Dup)			
								Prepared: 08/02/2023 Analyzed: 08/04/2023			
1,1-Biphenyl	0.471	0.0854	mg/kg dry	0.854	ND	55.1	10-130		4.25	30	
1,2,4,5-Tetrachlorobenzene	0.968	0.171	"	0.854	ND	113	10-133		1.11	30	
1,2,4-Trichlorobenzene	0.767	0.0854	"	0.854	ND	89.8	10-127		3.34	30	
1,2-Dichlorobenzene	0.608	0.0854	"	0.854	ND	71.2	14-111		2.84	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.593	0.0854	"	0.854	ND	69.5	10-144		4.16	30	
1,3-Dichlorobenzene	0.593	0.0854	"	0.854	ND	69.4	11-111		2.43	30	
1,4-Dichlorobenzene	0.575	0.0854	"	0.854	ND	67.4	10-106		2.36	30	
2,3,4,6-Tetrachlorophenol	0.701	0.171	"	0.854	ND	82.2	30-130		2.13	30	
2,4,5-Trichlorophenol	0.661	0.0854	"	0.854	ND	77.4	10-127		2.02	30	
2,4,6-Trichlorophenol	0.770	0.0854	"	0.854	ND	90.2	10-132		4.15	30	
2,4-Dichlorophenol	0.734	0.0854	"	0.854	ND	86.0	10-128		3.86	30	
2,4-Dimethylphenol	0.496	0.0854	"	0.854	ND	58.2	10-137		2.86	30	
2,4-Dinitrophenol	0.815	0.171	"	0.854	ND	95.4	10-171		3.63	30	
2,4-Dinitrotoluene	0.881	0.0854	"	0.854	ND	103	16-135		3.54	30	
2,6-Dinitrotoluene	0.808	0.0854	"	0.854	ND	94.6	18-131		5.26	30	
2-Chloronaphthalene	0.632	0.0854	"	0.854	ND	74.0	10-129		1.61	30	
2-Chlorophenol	0.611	0.0854	"	0.854	ND	71.6	15-116		3.13	30	
2-Methylnaphthalene	0.699	0.0854	"	0.854	ND	81.9	10-147		1.77	30	
2-Methylphenol	0.627	0.0854	"	0.854	ND	73.4	10-136		0.788	30	
2-Nitroaniline	0.707	0.171	"	0.854	ND	82.9	10-137		3.19	30	
2-Nitrophenol	0.788	0.0854	"	0.854	ND	92.3	10-129		0.226	30	
3- & 4-Methylphenols	0.560	0.0854	"	0.854	ND	65.6	10-123		2.62	30	
3,3-Dichlorobenzidine	0.507	0.0854	"	0.854	ND	59.4	10-155		6.64	30	
3-Nitroaniline	0.616	0.171	"	0.854	ND	72.2	12-133		2.67	30	
4,6-Dinitro-2-methylphenol	1.00	0.171	"	0.854	ND	118	10-155		8.38	30	
4-Bromophenyl phenyl ether	0.696	0.0854	"	0.854	ND	81.5	14-128		6.20	30	
4-Chloro-3-methylphenol	0.761	0.0854	"	0.854	ND	89.2	10-134		3.72	30	
4-Chloroaniline	0.512	0.0854	"	0.854	ND	60.0	10-145		7.40	30	
4-Chlorophenyl phenyl ether	0.689	0.0854	"	0.854	ND	80.7	14-130		4.36	30	
4-Nitroaniline	0.568	0.171	"	0.854	ND	66.6	10-147		3.66	30	
4-Nitrophenol	1.17	0.171	"	0.854	ND	137	10-137		1.63	30	
Acenaphthene	0.608	0.0854	"	0.854	ND	71.2	10-146		4.01	30	
Acenaphthylene	0.593	0.0854	"	0.854	ND	69.4	10-134		3.41	30	
Acetophenone	0.516	0.0854	"	0.854	ND	60.4	10-116		4.41	30	
Aniline	0.397	0.342	"	0.854	ND	46.6	10-123		32.6	30	Non-dir.
Anthracene	0.635	0.0854	"	0.854	ND	74.4	10-142		7.00	30	
Atrazine	0.529	0.0854	"	0.854	ND	61.9	19-115		7.21	30	
Benzaldehyde	0.440	0.0854	"	0.854	ND	51.6	10-125		1.92	30	
Benzo(a)anthracene	0.690	0.0854	"	0.854	ND	80.8	10-158		5.73	30	
Benzo(a)pyrene	0.698	0.0854	"	0.854	ND	81.8	10-180		4.64	30	
Benzo(b)fluoranthene	0.731	0.0854	"	0.854	ND	85.7	10-200		6.56	30	
Benzo(g,h,i)perylene	0.686	0.0854	"	0.854	ND	80.4	10-138		6.04	30	
Benzo(k)fluoranthene	0.744	0.0854	"	0.854	ND	87.1	10-197		6.41	30	
Benzoic acid	0.353	0.0854	"	0.854	ND	41.4	10-166		22.0	30	
Benzyl alcohol	0.574	0.0854	"	0.854	ND	67.3	12-124		1.68	30	
Benzyl butyl phthalate	0.588	0.0854	"	0.854	ND	68.9	10-154		3.90	30	
Bis(2-chloroethoxy)methane	0.679	0.0854	"	0.854	ND	79.6	10-132		0.834	30	
Bis(2-chloroethyl)ether	0.600	0.0854	"	0.854	ND	70.3	10-119		0.513	30	
Bis(2-chloroisopropyl)ether	0.540	0.0854	"	0.854	ND	63.3	10-139		1.22	30	
Bis(2-ethylhexyl)phthalate	0.623	0.0854	"	0.854	ND	73.0	10-167		4.66	30	
Caprolactam	0.610	0.171	"	0.854	ND	71.5	10-132		5.33	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Matrix Spike Dup (BH30120-1) Matrix Spike Dup						Source sample: 23G1620-02 (Matrix Spike Dup)						Prepared: 08/02/2023 Analyzed: 08/04/2023	
Carbazole	0.621	0.0854	mg/kg dry	0.854	ND	72.8	10-167		6.51	30			
Chrysene	0.720	0.0854	"	0.854	ND	84.3	10-156		5.74	30			
Dibenzo(a,h)anthracene	0.690	0.0854	"	0.854	ND	80.9	10-137		8.32	30			
Dibenzofuran	0.673	0.0854	"	0.854	ND	78.8	10-147		3.77	30			
Diethyl phthalate	0.677	0.0854	"	0.854	ND	79.3	20-120		3.35	30			
Dimethyl phthalate	0.673	0.0854	"	0.854	ND	78.8	18-131		4.43	30			
Di-n-butyl phthalate	0.601	0.0854	"	0.854	ND	70.4	10-137		6.08	30			
Di-n-octyl phthalate	0.611	0.0854	"	0.854	ND	71.6	10-180		5.42	30			
Fluoranthene	0.661	0.0854	"	0.854	ND	77.4	10-160		7.39	30			
Fluorene	0.626	0.0854	"	0.854	ND	73.4	10-157		4.63	30			
Hexachlorobenzene	0.670	0.0854	"	0.854	ND	78.5	10-137		9.54	30			
Hexachlorobutadiene	0.852	0.0854	"	0.854	ND	99.8	10-132		0.534	30			
Hexachlorocyclopentadiene	0.312	0.0854	"	0.854	ND	36.6	10-106		7.16	30			
Hexachloroethane	0.617	0.0854	"	0.854	ND	72.2	10-110		0.431	30			
Indeno(1,2,3-cd)pyrene	0.670	0.0854	"	0.854	ND	78.5	10-144		6.90	30			
Isophorone	0.671	0.0854	"	0.854	ND	78.6	10-132		1.17	30			
Naphthalene	0.649	0.0854	"	0.854	ND	76.1	10-141		1.40	30			
Nitrobenzene	0.718	0.0854	"	0.854	ND	84.2	10-131		3.82	30			
N-Nitrosodimethylamine	0.546	0.0854	"	0.854	ND	63.9	10-126		1.30	30			
N-nitroso-di-n-propylamine	0.580	0.0854	"	0.854	ND	68.0	10-125		0.0468	30			
N-Nitrosodiphenylamine	0.705	0.0854	"	0.854	ND	82.6	10-177		4.12	30			
Pentachlorophenol	0.679	0.0854	"	0.854	ND	79.6	10-153		8.76	30			
Phenanthrene	0.646	0.0854	"	0.854	ND	75.7	10-148		5.49	30			
Phenol	0.670	0.0854	"	0.854	ND	78.5	10-126		2.15	30			
Pyrene	0.660	0.0854	"	0.854	ND	77.4	10-165		3.79	30			
Pyridine	0.448	0.342	"	0.854	ND	52.5	10-83		3.58	30			
Surrogate: SURR: 2-Fluorophenol	1.25		"	1.71		73.3	20-108						
Surrogate: SURR: Phenol-d6	1.23		"	1.71		72.0	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.724		"	0.854		84.8	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.661		"	0.854		77.4	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.93		"	1.71		113	19-110						
Surrogate: SURR: Terphenyl-d14	0.717		"	0.854		84.0	24-116						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30441 - EPA 3550C

Blank (BH30441-BLK1) Blank		Prepared: 08/08/2023 Analyzed: 08/09/2023									
1,1-Biphenyl	ND	0.0409	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0817	"								
1,2,4-Trichlorobenzene	ND	0.0409	"								
1,2-Dichlorobenzene	ND	0.0409	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0409	"								
1,3-Dichlorobenzene	ND	0.0409	"								
1,4-Dichlorobenzene	ND	0.0409	"								
2,3,4,6-Tetrachlorophenol	ND	0.0817	"								
2,4,5-Trichlorophenol	ND	0.0409	"								
2,4,6-Trichlorophenol	ND	0.0409	"								
2,4-Dichlorophenol	ND	0.0409	"								
2,4-Dimethylphenol	ND	0.0409	"								
2,4-Dinitrophenol	ND	0.0817	"								
2,4-Dinitrotoluene	ND	0.0409	"								
2,6-Dinitrotoluene	ND	0.0409	"								
2-Chloronaphthalene	ND	0.0409	"								
2-Chlorophenol	ND	0.0409	"								
2-Methylnaphthalene	ND	0.0409	"								
2-Methylphenol	ND	0.0409	"								
2-Nitroaniline	ND	0.0817	"								
2-Nitrophenol	ND	0.0409	"								
3- & 4-Methylphenols	ND	0.0409	"								
3,3-Dichlorobenzidine	ND	0.0409	"								
3-Nitroaniline	ND	0.0817	"								
4,6-Dinitro-2-methylphenol	ND	0.0817	"								
4-Bromophenyl phenyl ether	ND	0.0409	"								
4-Chloro-3-methylphenol	ND	0.0409	"								
4-Chloroaniline	ND	0.0409	"								
4-Chlorophenyl phenyl ether	ND	0.0409	"								
4-Nitroaniline	ND	0.0817	"								
4-Nitrophenol	ND	0.0817	"								
Acenaphthene	ND	0.0409	"								
Acenaphthylene	ND	0.0409	"								
Acetophenone	ND	0.0409	"								
Aniline	ND	0.164	"								
Anthracene	ND	0.0409	"								
Atrazine	ND	0.0409	"								
Benzaldehyde	ND	0.0409	"								
Benzidine	ND	0.164	"								
Benzo(a)anthracene	ND	0.0409	"								
Benzo(a)pyrene	ND	0.0409	"								
Benzo(b)fluoranthene	ND	0.0409	"								
Benzo(g,h,i)perylene	ND	0.0409	"								
Benzo(k)fluoranthene	ND	0.0409	"								
Benzoic acid	ND	0.0409	"								
Benzyl alcohol	ND	0.0409	"								
Benzyl butyl phthalate	ND	0.0409	"								
Bis(2-chloroethoxy)methane	ND	0.0409	"								
Bis(2-chloroethyl)ether	ND	0.0409	"								
Bis(2-chloroisopropyl)ether	ND	0.0409	"								
Bis(2-ethylhexyl)phthalate	ND	0.0409	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30441 - EPA 3550C

Blank (BH30441-BLK1)		Blank		Prepared: 08/08/2023 Analyzed: 08/09/2023							
Caprolactam	ND	0.0817	mg/kg wet								
Carbazole	ND	0.0409	"								
Chrysene	ND	0.0409	"								
Dibenzo(a,h)anthracene	ND	0.0409	"								
Dibenzofuran	ND	0.0409	"								
Diethyl phthalate	ND	0.0409	"								
Dimethyl phthalate	ND	0.0409	"								
Di-n-butyl phthalate	ND	0.0409	"								
Di-n-octyl phthalate	ND	0.0409	"								
Fluoranthene	ND	0.0409	"								
Fluorene	ND	0.0409	"								
Hexachlorobenzene	ND	0.0409	"								
Hexachlorobutadiene	ND	0.0409	"								
Hexachlorocyclopentadiene	ND	0.0409	"								
Hexachloroethane	ND	0.0409	"								
Indeno(1,2,3-cd)pyrene	ND	0.0409	"								
Isophorone	ND	0.0409	"								
Naphthalene	ND	0.0409	"								
Nitrobenzene	ND	0.0409	"								
N-Nitrosodimethylamine	ND	0.0409	"								
N-nitroso-di-n-propylamine	ND	0.0409	"								
N-Nitrosodiphenylamine	ND	0.0409	"								
Pentachlorophenol	ND	0.0409	"								
Phenanthrene	ND	0.0409	"								
Phenol	ND	0.0409	"								
Pyrene	ND	0.0409	"								
Pyridine	ND	0.164	"								
Surrogate: SURR: 2-Fluorophenol	1.02		"	1.63		62.6	20-108				
Surrogate: SURR: Phenol-d6	0.943		"	1.63		57.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.574		"	0.817		70.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.561		"	0.817		68.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.79		"	1.63		110	19-110				
Surrogate: SURR: Terphenyl-d14	0.584		"	0.817		71.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30441 - EPA 3550C											
LCS (BH30441-BS1)	LCS	Prepared: 08/08/2023 Analyzed: 08/09/2023									
1,1-Biphenyl	0.566	0.0409	mg/kg wet	0.817		69.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.657	0.0817	"	0.817		80.4	21-131				
1,2,4-Trichlorobenzene	0.641	0.0409	"	0.817		78.5	10-140				
1,2-Dichlorobenzene	0.530	0.0409	"	0.817		64.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.620	0.0409	"	0.817		75.8	17-137				
1,3-Dichlorobenzene	0.516	0.0409	"	0.817		63.1	33-110				
1,4-Dichlorobenzene	0.514	0.0409	"	0.817		62.9	32-104				
2,3,4,6-Tetrachlorophenol	0.652	0.0817	"	0.817		79.8	30-130				
2,4,5-Trichlorophenol	0.604	0.0409	"	0.817		73.9	27-118				
2,4,6-Trichlorophenol	0.604	0.0409	"	0.817		73.9	31-120				
2,4-Dichlorophenol	0.627	0.0409	"	0.817		76.7	20-127				
2,4-Dimethylphenol	0.491	0.0409	"	0.817		60.1	14-132				
2,4-Dinitrophenol	0.598	0.0817	"	0.817		73.2	10-171				
2,4-Dinitrotoluene	0.656	0.0409	"	0.817		80.3	34-131				
2,6-Dinitrotoluene	0.623	0.0409	"	0.817		76.3	31-128				
2-Chloronaphthalene	0.569	0.0409	"	0.817		69.6	31-117				
2-Chlorophenol	0.523	0.0409	"	0.817		64.0	33-113				
2-Methylnaphthalene	0.621	0.0409	"	0.817		76.0	12-138				
2-Methylphenol	0.545	0.0409	"	0.817		66.7	10-136				
2-Nitroaniline	0.612	0.0817	"	0.817		75.0	27-132				
2-Nitrophenol	0.625	0.0409	"	0.817		76.4	17-129				
3- & 4-Methylphenols	0.486	0.0409	"	0.817		59.4	29-103				
3,3-Dichlorobenzidine	0.552	0.0409	"	0.817		67.6	22-149				
3-Nitroaniline	0.527	0.0817	"	0.817		64.5	20-133				
4,6-Dinitro-2-methylphenol	0.903	0.0817	"	0.817		111	10-143				
4-Bromophenyl phenyl ether	0.685	0.0409	"	0.817		83.9	29-120				
4-Chloro-3-methylphenol	0.669	0.0409	"	0.817		81.8	24-129				
4-Chloroaniline	0.466	0.0409	"	0.817		57.0	10-132				
4-Chlorophenyl phenyl ether	0.606	0.0409	"	0.817		74.1	27-124				
4-Nitroaniline	0.533	0.0817	"	0.817		65.2	16-128				
4-Nitrophenol	0.546	0.0817	"	0.817		66.8	10-141				
Acenaphthene	0.531	0.0409	"	0.817		65.0	30-121				
Acenaphthylene	0.554	0.0409	"	0.817		67.8	30-115				
Acetophenone	0.513	0.0409	"	0.817		62.8	20-112				
Aniline	0.398	0.164	"	0.817		48.8	10-119				
Anthracene	0.600	0.0409	"	0.817		73.4	34-118				
Atrazine	0.696	0.0409	"	0.817		85.2	26-112				
Benzaldehyde	0.409	0.0409	"	0.817		50.1	21-100				
Benzo(a)anthracene	0.599	0.0409	"	0.817		73.3	32-122				
Benzo(a)pyrene	0.693	0.0409	"	0.817		84.8	29-133				
Benzo(b)fluoranthene	0.647	0.0409	"	0.817		79.2	25-133				
Benzo(g,h,i)perylene	0.736	0.0409	"	0.817		90.0	10-143				
Benzo(k)fluoranthene	0.689	0.0409	"	0.817		84.3	25-128				
Benzoic acid	0.246	0.0409	"	0.817		30.2	10-140				
Benzyl alcohol	0.498	0.0409	"	0.817		60.9	30-115				
Benzyl butyl phthalate	0.505	0.0409	"	0.817		61.8	26-126				
Bis(2-chloroethoxy)methane	0.527	0.0409	"	0.817		64.5	19-132				
Bis(2-chloroethyl)ether	0.465	0.0409	"	0.817		56.9	19-125				
Bis(2-chloroisopropyl)ether	0.431	0.0409	"	0.817		52.8	20-135				
Bis(2-ethylhexyl)phthalate	0.525	0.0409	"	0.817		64.3	10-155				
Caprolactam	0.710	0.0817	"	0.817		86.9	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30441 - EPA 3550C

LCS (BH30441-BS1)	LCS	Prepared: 08/08/2023 Analyzed: 08/09/2023									
Carbazole	0.608	0.0409	mg/kg wet	0.817		74.4	35-123				
Chrysene	0.593	0.0409	"	0.817		72.6	32-123				
Dibenzo(a,h)anthracene	0.818	0.0409	"	0.817		100	10-136				
Dibenzofuran	0.585	0.0409	"	0.817		71.6	29-121				
Diethyl phthalate	0.604	0.0409	"	0.817		73.9	34-116				
Dimethyl phthalate	0.607	0.0409	"	0.817		74.3	35-124				
Di-n-butyl phthalate	0.572	0.0409	"	0.817		70.0	31-116				
Di-n-octyl phthalate	0.538	0.0409	"	0.817		65.8	26-136				
Fluoranthene	0.631	0.0409	"	0.817		77.2	33-122				
Fluorene	0.576	0.0409	"	0.817		70.6	29-123				
Hexachlorobenzene	0.611	0.0409	"	0.817		74.8	21-124				
Hexachlorobutadiene	0.700	0.0409	"	0.817		85.7	10-149				
Hexachlorocyclopentadiene	0.371	0.0409	"	0.817		45.4	10-129				
Hexachloroethane	0.523	0.0409	"	0.817		64.0	28-108				
Indeno(1,2,3-cd)pyrene	0.844	0.0409	"	0.817		103	10-135				
Isophorone	0.559	0.0409	"	0.817		68.5	20-132				
Naphthalene	0.576	0.0409	"	0.817		70.5	23-124				
Nitrobenzene	0.567	0.0409	"	0.817		69.4	13-132				
N-Nitrosodimethylamine	0.386	0.0409	"	0.817		47.2	11-129				
N-nitroso-di-n-propylamine	0.472	0.0409	"	0.817		57.8	24-119				
N-Nitrosodiphenylamine	0.793	0.0409	"	0.817		97.0	22-152				
Pentachlorophenol	0.641	0.0409	"	0.817		78.4	10-139				
Phenanthrene	0.590	0.0409	"	0.817		72.2	33-123				
Phenol	0.492	0.0409	"	0.817		60.3	23-115				
Pyrene	0.545	0.0409	"	0.817		66.7	24-130				
Pyridine	0.497	0.164	"	1.14		43.5	10-91				
Surrogate: SURR: 2-Fluorophenol	0.967		"	1.63		59.2	20-108				
Surrogate: SURR: Phenol-d6	0.925		"	1.63		56.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.553		"	0.817		67.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.561		"	0.817		68.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.88		"	1.63		115	19-110				
Surrogate: SURR: Terphenyl-d14	0.576		"	0.817		70.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30441 - EPA 3550C											
Matrix Spike (BH30441-MS1) Matrix Spike *Source sample: 23H0194-02 (Matrix Spike)											
Prepared: 08/08/2023 Analyzed: 08/09/2023											
1,1-Biphenyl	0.487	0.0864	mg/kg dry	0.864	ND	56.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.568	0.173	"	0.864	ND	65.8	10-133				
1,2,4-Trichlorobenzene	0.546	0.0864	"	0.864	ND	63.2	10-127				
1,2-Dichlorobenzene	0.455	0.0864	"	0.864	ND	52.6	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.520	0.0864	"	0.864	ND	60.2	10-144				
1,3-Dichlorobenzene	0.444	0.0864	"	0.864	ND	51.4	11-111				
1,4-Dichlorobenzene	0.455	0.0864	"	0.864	ND	52.7	10-106				
2,3,4,6-Tetrachlorophenol	0.628	0.173	"	0.864	ND	72.7	30-130				
2,4,5-Trichlorophenol	0.517	0.0864	"	0.864	ND	59.8	10-127				
2,4,6-Trichlorophenol	0.517	0.0864	"	0.864	ND	59.8	10-132				
2,4-Dichlorophenol	0.543	0.0864	"	0.864	ND	62.9	10-128				
2,4-Dimethylphenol	0.424	0.0864	"	0.864	ND	49.0	10-137				
2,4-Dinitrophenol	0.122	0.173	"	0.864	ND	14.1	10-171				
2,4-Dinitrotoluene	0.581	0.0864	"	0.864	ND	67.3	16-135				
2,6-Dinitrotoluene	0.538	0.0864	"	0.864	ND	62.3	18-131				
2-Chloronaphthalene	0.487	0.0864	"	0.864	ND	56.4	10-129				
2-Chlorophenol	0.466	0.0864	"	0.864	ND	53.9	15-116				
2-Methylnaphthalene	0.536	0.0864	"	0.864	ND	62.1	10-147				
2-Methylphenol	0.499	0.0864	"	0.864	ND	57.8	10-136				
2-Nitroaniline	0.524	0.173	"	0.864	ND	60.6	10-137				
2-Nitrophenol	0.515	0.0864	"	0.864	ND	59.6	10-129				
3- & 4-Methylphenols	0.432	0.0864	"	0.864	ND	50.0	10-123				
3,3-Dichlorobenzidine	0.422	0.0864	"	0.864	ND	48.9	10-155				
3-Nitroaniline	0.475	0.173	"	0.864	ND	55.0	12-133				
4,6-Dinitro-2-methylphenol	0.248	0.173	"	0.864	ND	28.7	10-155				
4-Bromophenyl phenyl ether	0.576	0.0864	"	0.864	ND	66.6	14-128				
4-Chloro-3-methylphenol	0.616	0.0864	"	0.864	ND	71.4	10-134				
4-Chloroaniline	0.399	0.0864	"	0.864	ND	46.2	10-145				
4-Chlorophenyl phenyl ether	0.537	0.0864	"	0.864	ND	62.2	14-130				
4-Nitroaniline	0.472	0.173	"	0.864	ND	54.6	10-147				
4-Nitrophenol	0.469	0.173	"	0.864	ND	54.2	10-137				
Acenaphthene	0.482	0.0864	"	0.864	0.0698	47.7	10-146				
Acenaphthylene	0.538	0.0864	"	0.864	0.0551	55.9	10-134				
Acetophenone	0.448	0.0864	"	0.864	ND	51.9	10-116				
Aniline	0.332	0.346	"	0.864	ND	38.5	10-123				
Anthracene	0.622	0.0864	"	0.864	0.231	45.3	10-142				
Atrazine	0.558	0.0864	"	0.864	ND	64.6	19-115				
Benzaldehyde	0.369	0.0864	"	0.864	ND	42.7	10-125				
Benzo(a)anthracene	0.936	0.0864	"	0.864	0.439	57.6	10-158				
Benzo(a)pyrene	1.08	0.0864	"	0.864	0.476	69.6	10-180				
Benzo(b)fluoranthene	1.15	0.0864	"	0.864	0.579	66.2	10-200				
Benzo(g,h,i)perylene	0.926	0.0864	"	0.864	0.325	69.6	10-138				
Benzo(k)fluoranthene	0.797	0.0864	"	0.864	0.208	68.2	10-197				
Benzoic acid	0.0691	0.0864	"	0.864	ND	8.00	10-166	Low Bias			
Benzyl alcohol	0.446	0.0864	"	0.864	ND	51.6	12-124				
Benzyl butyl phthalate	0.439	0.0864	"	0.864	ND	50.8	10-154				
Bis(2-chloroethoxy)methane	0.447	0.0864	"	0.864	ND	51.8	10-132				
Bis(2-chloroethyl)ether	0.413	0.0864	"	0.864	ND	47.8	10-119				
Bis(2-chloroisopropyl)ether	0.389	0.0864	"	0.864	ND	45.0	10-139				
Bis(2-ethylhexyl)phthalate	0.455	0.0864	"	0.864	ND	52.6	10-167				
Caprolactam	0.587	0.173	"	0.864	ND	67.9	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30441 - EPA 3550C

Matrix Spike (BH30441-MS1)	Matrix Spike	*Source sample: 23H0194-02 (Matrix Spike)						Prepared: 08/08/2023 Analyzed: 08/09/2023			
Carbazole	0.529	0.0864	mg/kg dry	0.864	0.0628	53.9	10-167				
Chrysene	0.874	0.0864	"	0.864	0.436	50.7	10-156				
Dibenzo(a,h)anthracene	0.712	0.0864	"	0.864	0.0803	73.1	10-137				
Dibenzofuran	0.529	0.0864	"	0.864	0.0495	55.5	10-147				
Diethyl phthalate	0.525	0.0864	"	0.864	ND	60.8	20-120				
Dimethyl phthalate	0.496	0.0864	"	0.864	ND	57.4	18-131				
Di-n-butyl phthalate	0.476	0.0864	"	0.864	ND	55.1	10-137				
Di-n-octyl phthalate	0.478	0.0864	"	0.864	ND	55.3	10-180				
Fluoranthene	1.29	0.0864	"	0.864	0.949	39.2	10-160				
Fluorene	0.544	0.0864	"	0.864	0.0893	52.6	10-157				
Hexachlorobenzene	0.535	0.0864	"	0.864	ND	61.9	10-137				
Hexachlorobutadiene	0.599	0.0864	"	0.864	ND	69.4	10-132				
Hexachlorocyclopentadiene	0.180	0.0864	"	0.864	ND	20.8	10-106				
Hexachloroethane	0.460	0.0864	"	0.864	ND	53.2	10-110				
Indeno(1,2,3-cd)pyrene	1.08	0.0864	"	0.864	0.375	81.4	10-144				
Isophorone	0.466	0.0864	"	0.864	ND	54.0	10-132				
Naphthalene	0.506	0.0864	"	0.864	ND	58.6	10-141				
Nitrobenzene	0.486	0.0864	"	0.864	ND	56.3	10-131				
N-Nitrosodimethylamine	0.334	0.0864	"	0.864	ND	38.7	10-126				
N-nitroso-di-n-propylamine	0.417	0.0864	"	0.864	ND	48.3	10-125				
N-Nitrosodiphenylamine	0.673	0.0864	"	0.864	ND	77.9	10-177				
Pentachlorophenol	0.493	0.0864	"	0.864	ND	57.1	10-153				
Phenanthrene	0.805	0.0864	"	0.864	0.782	2.71	10-148	Low Bias			
Phenol	0.444	0.0864	"	0.864	ND	51.4	10-126				
Pyrene	1.06	0.0864	"	0.864	0.853	23.7	10-165				
Pyridine	0.411	0.346	"	1.21	ND	34.0	10-83				
Surrogate: SURR: 2-Fluorophenol	0.854		"	1.73		49.4	20-108				
Surrogate: SURR: Phenol-d6	0.833		"	1.73		48.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.463		"	0.864		53.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.473		"	0.864		54.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.62		"	1.73		93.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.481		"	0.864		55.7	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag	
Batch BH30441 - EPA 3550C												
Matrix Spike Dup (BH30441-1)				Matrix Spike Dup				Source sample: 23H0194-02 (Matrix Spike Dup)				Prepared: 08/08/2023 Analyzed: 08/09/2023
1,1-Biphenyl	0.452	0.0864	mg/kg dry	0.864	ND	52.3	10-130		7.51	30		
1,2,4,5-Tetrachlorobenzene	0.509	0.173	"	0.864	ND	59.0	10-133		10.9	30		
1,2,4-Trichlorobenzene	0.518	0.0864	"	0.864	ND	60.0	10-127		5.19	30		
1,2-Dichlorobenzene	0.419	0.0864	"	0.864	ND	48.5	14-111		8.23	30		
1,2-Diphenylhydrazine (as Azobenzene)	0.498	0.0864	"	0.864	ND	57.7	10-144		4.21	30		
1,3-Dichlorobenzene	0.417	0.0864	"	0.864	ND	48.3	11-111		6.10	30		
1,4-Dichlorobenzene	0.419	0.0864	"	0.864	ND	48.5	10-106		8.38	30		
2,3,4,6-Tetrachlorophenol	0.623	0.173	"	0.864	ND	72.2	30-130		0.773	30		
2,4,5-Trichlorophenol	0.504	0.0864	"	0.864	ND	58.4	10-127		2.44	30		
2,4,6-Trichlorophenol	0.504	0.0864	"	0.864	ND	58.4	10-132		2.44	30		
2,4-Dichlorophenol	0.492	0.0864	"	0.864	ND	57.0	10-128		9.88	30		
2,4-Dimethylphenol	0.398	0.0864	"	0.864	ND	46.1	10-137		6.22	30		
2,4-Dinitrophenol	ND	0.173	"	0.864	ND		10-171	Low Bias		30		
2,4-Dinitrotoluene	0.536	0.0864	"	0.864	ND	62.0	16-135		8.17	30		
2,6-Dinitrotoluene	0.495	0.0864	"	0.864	ND	57.3	18-131		8.43	30		
2-Chloronaphthalene	0.462	0.0864	"	0.864	ND	53.5	10-129		5.24	30		
2-Chlorophenol	0.443	0.0864	"	0.864	ND	51.3	15-116		5.02	30		
2-Methylnaphthalene	0.507	0.0864	"	0.864	ND	58.6	10-147		5.70	30		
2-Methylphenol	0.463	0.0864	"	0.864	ND	53.6	10-136		7.47	30		
2-Nitroaniline	0.487	0.173	"	0.864	ND	56.4	10-137		7.25	30		
2-Nitrophenol	0.491	0.0864	"	0.864	ND	56.9	10-129		4.67	30		
3- & 4-Methylphenols	0.402	0.0864	"	0.864	ND	46.6	10-123		7.13	30		
3,3-Dichlorobenzidine	0.403	0.0864	"	0.864	ND	46.6	10-155		4.69	30		
3-Nitroaniline	0.443	0.173	"	0.864	ND	51.3	12-133		6.93	30		
4,6-Dinitro-2-methylphenol	0.159	0.173	"	0.864	ND	18.4	10-155		43.8	30	Non-dir.	
4-Bromophenyl phenyl ether	0.580	0.0864	"	0.864	ND	67.2	14-128		0.837	30		
4-Chloro-3-methylphenol	0.593	0.0864	"	0.864	ND	68.6	10-134		3.89	30		
4-Chloroaniline	0.381	0.0864	"	0.864	ND	44.1	10-145		4.78	30		
4-Chlorophenyl phenyl ether	0.506	0.0864	"	0.864	ND	58.6	14-130		5.96	30		
4-Nitroaniline	0.482	0.173	"	0.864	ND	55.8	10-147		2.17	30		
4-Nitrophenol	0.486	0.173	"	0.864	ND	56.2	10-137		3.62	30		
Acenaphthene	0.471	0.0864	"	0.864	0.0698	46.4	10-146		2.32	30		
Acenaphthylene	0.504	0.0864	"	0.864	0.0551	52.0	10-134		6.49	30		
Acetophenone	0.426	0.0864	"	0.864	ND	49.3	10-116		5.22	30		
Aniline	0.288	0.346	"	0.864	ND	33.4	10-123		14.3	30		
Anthracene	0.612	0.0864	"	0.864	0.231	44.1	10-142		1.68	30		
Atrazine	0.549	0.0864	"	0.864	ND	63.5	19-115		1.62	30		
Benzaldehyde	0.355	0.0864	"	0.864	ND	41.0	10-125		4.01	30		
Benzo(a)anthracene	0.835	0.0864	"	0.864	0.439	45.8	10-158		11.5	30		
Benzo(a)pyrene	0.979	0.0864	"	0.864	0.476	58.2	10-180		9.61	30		
Benzo(b)fluoranthene	1.00	0.0864	"	0.864	0.579	49.3	10-200		13.5	30		
Benzo(g,h,i)perylene	0.898	0.0864	"	0.864	0.325	66.4	10-138		3.03	30		
Benzo(k)fluoranthene	0.751	0.0864	"	0.864	0.208	62.9	10-197		5.89	30		
Benzoic acid	0.135	0.0864	"	0.864	ND	15.6	10-166		64.4	30	Non-dir.	
Benzyl alcohol	0.428	0.0864	"	0.864	ND	49.5	12-124		4.11	30		
Benzyl butyl phthalate	0.442	0.0864	"	0.864	ND	51.2	10-154		0.784	30		
Bis(2-chloroethoxy)methane	0.420	0.0864	"	0.864	ND	48.6	10-132		6.22	30		
Bis(2-chloroethyl)ether	0.388	0.0864	"	0.864	ND	44.9	10-119		6.22	30		
Bis(2-chloroisopropyl)ether	0.357	0.0864	"	0.864	ND	41.4	10-139		8.52	30		
Bis(2-ethylhexyl)phthalate	0.469	0.0864	"	0.864	ND	54.3	10-167		3.14	30		
Caprolactam	0.524	0.173	"	0.864	ND	60.6	10-132		11.3	30		



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30441 - EPA 3550C

Matrix Spike Dup (BH30441-1) Matrix Spike Dup					Source sample: 23H0194-02 (Matrix Spike Dup)							Prepared: 08/08/2023 Analyzed: 08/09/2023	
Carbazole	0.524	0.0864	mg/kg dry	0.864	0.0628	53.4	10-167		0.787	30			
Chrysene	0.788	0.0864	"	0.864	0.436	40.8	10-156		10.3	30			
Dibenzo(a,h)anthracene	0.739	0.0864	"	0.864	0.0803	76.3	10-137		3.81	30			
Dibenzofuran	0.487	0.0864	"	0.864	0.0495	50.7	10-147		8.29	30			
Diethyl phthalate	0.493	0.0864	"	0.864	ND	57.0	20-120		6.38	30			
Dimethyl phthalate	0.463	0.0864	"	0.864	ND	53.6	18-131		6.92	30			
Di-n-butyl phthalate	0.476	0.0864	"	0.864	ND	55.1	10-137		0.00	30			
Di-n-octyl phthalate	0.495	0.0864	"	0.864	ND	57.3	10-180		3.55	30			
Fluoranthene	1.14	0.0864	"	0.864	0.949	21.7	10-160		12.4	30			
Fluorene	0.520	0.0864	"	0.864	0.0893	49.8	10-157		4.55	30			
Hexachlorobenzene	0.507	0.0864	"	0.864	ND	58.7	10-137		5.31	30			
Hexachlorobutadiene	0.599	0.0864	"	0.864	ND	69.4	10-132		0.00	30			
Hexachlorocyclopentadiene	0.104	0.0864	"	0.864	ND	12.0	10-106		53.7	30	Non-dir.		
Hexachloroethane	0.418	0.0864	"	0.864	ND	48.4	10-110		9.45	30			
Indeno(1,2,3-cd)pyrene	1.03	0.0864	"	0.864	0.375	76.0	10-144		4.46	30			
Isophorone	0.444	0.0864	"	0.864	ND	51.4	10-132		4.86	30			
Naphthalene	0.478	0.0864	"	0.864	ND	55.3	10-141		5.76	30			
Nitrobenzene	0.469	0.0864	"	0.864	ND	54.3	10-131		3.62	30			
N-Nitrosodimethylamine	0.301	0.0864	"	0.864	ND	34.9	10-126		10.4	30			
N-nitroso-di-n-propylamine	0.379	0.0864	"	0.864	ND	43.9	10-125		9.54	30			
N-Nitrosodiphenylamine	0.659	0.0864	"	0.864	ND	76.2	10-177		2.18	30			
Pentachlorophenol	0.473	0.0864	"	0.864	ND	54.7	10-153		4.29	30			
Phenanthrene	0.765	0.0864	"	0.864	0.782	NR	10-148	Low Bias	5.11	30			
Phenol	0.410	0.0864	"	0.864	ND	47.4	10-126		8.09	30			
Pyrene	0.965	0.0864	"	0.864	0.853	13.0	10-165		9.16	30			
Pyridine	0.362	0.346	"	1.21	ND	29.9	10-83		12.7	30			
Surrogate: SURR: 2-Fluorophenol	0.835		"	1.73		48.3	20-108						
Surrogate: SURR: Phenol-d6	0.805		"	1.73		46.6	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.446		"	0.864		51.6	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.454		"	0.864		52.6	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.63		"	1.73		94.4	19-110						
Surrogate: SURR: Terphenyl-d14	0.510		"	0.864		59.0	24-116						



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31257 - EPA 3535A

Blank (BG31257-BLK1)	Blank								Prepared: 07/23/2023	Analyzed: 07/24/2023
1,4-Dioxane	ND	0.300	ug/L							
Surrogate: 1,4-Dioxane-d8	2.92		"	4.00		73.0	36.6-118			
LCS (BG31257-BS1)	LCS								Prepared: 07/23/2023	Analyzed: 07/24/2023
1,4-Dioxane	4.24	0.300	ug/L	4.00		106	50-130			
Surrogate: 1,4-Dioxane-d8	2.84		"	4.00		71.1	36.6-118			
Matrix Spike (BG31257-MS1)	Matrix Spike	*Source sample: 23G1300-01 (Matrix Spike)							Prepared: 07/23/2023	Analyzed: 07/24/2023
1,4-Dioxane	4.32	0.300	ug/L	4.00	0.384	98.4	50-130			
Surrogate: 1,4-Dioxane-d8	3.25		"	4.00		81.4	50-130			
Matrix Spike Dup (BG31257-MS1)	Matrix Spike Dup	*Source sample: 23G1300-01 (Matrix Spike Dup)							Prepared: 07/23/2023	Analyzed: 07/24/2023
1,4-Dioxane	4.40	0.300	ug/L	4.00	0.384	100	50-130		1.83	30
Surrogate: 1,4-Dioxane-d8	3.05		"	4.00		76.4	50-130			

Batch BG31493 - EPA 3550C

Blank (BG31493-BLK1)	Blank								Prepared: 07/26/2023	Analyzed: 07/27/2023
1,4-Dioxane	ND	19.8	ug/kg							
Surrogate: 1,4-Dioxane-d8	343		"	495		69.2	39-127.5			
LCS (BG31493-BS1)	LCS								Prepared: 07/26/2023	Analyzed: 07/27/2023
1,4-Dioxane	482	19.8	ug/kg	495		97.4	40-130			
Surrogate: 1,4-Dioxane-d8	317		"	495		64.0	39-127.5			
Matrix Spike (BG31493-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)							Prepared: 07/26/2023	Analyzed: 07/27/2023
1,4-Dioxane	448	18.7	ug/kg	467	ND	95.8	40-130			
Surrogate: 1,4-Dioxane-d8	284		"	467		60.9	40-130			



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31493 - EPA 3550C

Matrix Spike Dup (BG31493-1)		Matrix Spike Dup		Source sample: 23G1204-01 (Matrix Spike Dup)				Prepared: 07/26/2023 Analyzed: 07/27/2023			
1,4-Dioxane	467	19.4	ug/kg	485	ND	96.2	40-130		4.23	30	
Surrogate: 1,4-Dioxane-d8	294		"	485		60.5	40-130				

Batch BH30118 - EPA 3550C

Blank (BH30118-BLK1)		Blank		Prepared: 08/02/2023 Analyzed: 08/03/2023							
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	268		"	495		54.2	39-127.5				

LCS (BH30118-BS1)		LCS		Prepared: 08/02/2023 Analyzed: 08/03/2023							
1,4-Dioxane	483	19.8	ug/kg	495		97.6	40-130				
Surrogate: 1,4-Dioxane-d8	215		"	495		43.3	39-127.5				

Matrix Spike (BH30118-MS1)		Matrix Spike		*Source sample: 23G1244-10 (Matrix Spike)				Prepared: 08/02/2023 Analyzed: 08/03/2023			
1,4-Dioxane	466	19.0	ug/kg	476	ND	97.8	40-130				
Surrogate: 1,4-Dioxane-d8	294		"	476		61.6	40-130				

Matrix Spike Dup (BH30118-1)		Matrix Spike Dup		Source sample: 23G1244-10 (Matrix Spike Dup)				Prepared: 08/02/2023 Analyzed: 08/03/2023			
1,4-Dioxane	433	18.3	ug/kg	459	ND	94.4	40-130		7.27	30	
Surrogate: 1,4-Dioxane-d8	289		"	459		63.0	40-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

Blank (BG31426-BLK1) Blank		Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.197	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.197	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.180	"								
Perfluorooctanoic acid (PFOA)	ND	0.197	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.183	"								
Perfluorononanoic acid (PFNA)	ND	0.197	"								
Perfluorodecanoic acid (PFDA)	ND	0.197	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.197	"								
Perfluorododecanoic acid (PFDoA)	ND	0.197	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.197	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.197	"								
N-MeFOSAA	ND	0.197	"								
N-EtFOSAA	ND	0.197	"								
Perfluoropentanoic acid (PFPeA)	ND	0.394	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.197	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.197	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.190	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.750	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.757	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.789	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.351	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.394	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.394	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.394	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.185	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.740	"								
HFPO-DA (Gen-X)	ND	0.789	"								
11CL-PF3OUdS	ND	0.746	"								
9CL-PF3ONS	ND	0.738	"								
ADONA	ND	0.746	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.191	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.189	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.986	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.93	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.93	"								
N-MeFOSE	ND	1.97	"								
N-MeFOSA	ND	0.197	"								
N-EtFOSE	ND	1.97	"								
N-EtFOSA	ND	0.197	"								
Surrogate: M3PFBS	2.33		"	2.30		101	25-150				
Surrogate: M5PFHxA	3.89		"	2.47		158	25-150				
Surrogate: M4PFHpA	2.51		"	2.47		102	25-150				
Surrogate: M3PFHxS	1.30		"	2.34		55.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.31		"	2.47		53.2	25-150				
Surrogate: M6PFDA	0.300		"	1.23		24.4	25-150				
Surrogate: M7PFUdA	0.420		"	1.23		34.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.362		"	1.23		29.3	25-150				
Surrogate: M2PFTeDA	0.526		"	1.23		42.6	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

Blank (BG31426-BLK1)	Blank	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.3		ug/kg wet	9.86		125	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.986		"	2.36		41.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	7.63		"	4.93		155	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	0.818		"	2.47		33.2	10-150				
Surrogate: d3-N-MeFOSAA	1.83		"	4.93		37.1	25-150				
Surrogate: d5-N-EtFOSAA	1.35		"	4.93		27.4	25-150				
Surrogate: M2-6:2 FTS	2.06		"	4.69		43.9	25-200				
Surrogate: M2-8:2 FTS	1.41		"	4.73		29.8	25-200				
Surrogate: M9PFNA	0.249		"	1.23		20.2	25-150				
Surrogate: M2-4:2 FTS	4.82		"	4.63		104	25-150				
Surrogate: d-N-MeFOSA	0.762		"	2.47		30.9	25-150				
Surrogate: d-N-EtFOSA	0.813		"	2.47		33.0	25-150				
Surrogate: M3HFPO-DA	13.4		"	9.86		136	25-150				
Surrogate: d9-N-EtFOSE	12.0		"	24.7		48.8	25-150				
Surrogate: d7-N-MeFOSE	12.2		"	24.7		49.6	25-150				

LCS (BG31426-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	3.51	0.175	ug/kg wet	3.50		100	50-150				
Perfluorohexanoic acid (PFHxA)	3.95	0.198	"	3.95		99.8	50-150				
Perfluoroheptanoic acid (PFHpA)	3.74	0.198	"	3.95		94.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.41	0.181	"	3.62		122	50-150				
Perfluorooctanoic acid (PFOA)	3.34	0.198	"	3.95		84.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.02	0.184	"	3.68		82.2	50-150				
Perfluorononanoic acid (PFNA)	3.15	0.198	"	3.95		79.6	50-150				
Perfluorodecanoic acid (PFDA)	3.29	0.198	"	3.95		83.2	50-150				
Perfluoroundecanoic acid (PFUnA)	4.79	0.198	"	3.95		121	50-150				
Perfluorododecanoic acid (PFDoA)	4.33	0.198	"	3.95		109	50-150				
Perfluorotridecanoic acid (PFTriDA)	4.47	0.198	"	3.95		113	50-150				
Perfluorotetradecanoic acid (PFTA)	4.33	0.198	"	3.95		110	50-150				
N-MeFOSAA	4.98	0.198	"	3.95		126	50-150				
N-EtFOSAA	4.45	0.198	"	3.95		113	50-150				
Perfluoropentanoic acid (PFPeA)	8.80	0.395	"	7.91		111	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.51	0.198	"	3.95		114	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.74	0.198	"	3.77		99.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.36	0.191	"	3.81		88.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	16.2	0.751	"	15.0		108	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	44.4	0.759	"	15.2		293	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	17.6	0.791	"	15.8		111	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	8.04	0.352	"	7.04		114	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	6.80	0.395	"	7.91		86.1	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.92	0.395	"	7.91		100	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	7.82	0.395	"	7.91		98.9	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	6.32	0.186	"	3.72		170	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	20.0	0.741	"	14.8		135	50-150				
HFPO-DA (Gen-X)	8.28	0.791	"	7.91		105	50-150				
11CL-PF3OUdS	6.18	0.747	"	7.47		82.7	50-150				
9CL-PF3ONS	4.43	0.739	"	7.39		59.9	50-150				
ADONA	8.76	0.747	"	7.47		117	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

LCS (BG31426-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorododecanesulfonic acid (PFDoS)	3.93	0.192	ug/kg wet	3.83		103	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.91	0.190	"	3.79		76.7	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	48.2	0.988	"	15.8		305	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	94.1	4.94	"	79.1		119	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	17.6	4.94	"	79.1		22.2	50-150	Low Bias			
N-MeFOSE	36.3	1.98	"	39.5		91.7	50-150				
N-MeFOSA	5.10	0.198	"	3.95		129	50-150				
N-EtFOSE	37.3	1.98	"	39.5		94.5	50-150				
N-EtFOSA	0.224	0.198	"	3.95		5.67	50-150	Low Bias			
Surrogate: M3PFBS	3.65		"	2.30		159	25-150				
Surrogate: M5PFHxA	4.10		"	2.47		166	25-150				
Surrogate: M4PFHpA	2.90		"	2.47		118	25-150				
Surrogate: M3PFHxS	2.39		"	2.34		102	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.07		"	2.47		124	25-150				
Surrogate: M6PFDA	1.55		"	1.24		125	25-150				
Surrogate: M7PFUdA	1.33		"	1.24		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.73		"	1.24		140	25-150				
Surrogate: M2PFTeDA	1.76		"	1.24		142	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.50		"	9.88		86.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.71		"	2.37		114	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.39		"	4.94		170	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.76		"	2.47		71.3	10-150				
Surrogate: d3-N-MeFOSAA	3.99		"	4.94		80.8	25-150				
Surrogate: d5-N-EtFOSAA	2.76		"	4.94		55.8	25-150				
Surrogate: M2-6:2 FTS	11.2		"	4.70		239	25-200				
Surrogate: M2-8:2 FTS	2.28		"	4.74		48.1	25-200				
Surrogate: M9PFNA	1.46		"	1.24		118	25-150				
Surrogate: M2-4:2 FTS	12.3		"	4.63		265	25-150				
Surrogate: d-N-MeFOSA	1.21		"	2.47		49.1	25-150				
Surrogate: d-N-EtFOSA	24.7		"	2.47		1000	25-150				
Surrogate: M3HFPO-DA	14.9		"	9.88		150	25-150				
Surrogate: d9-N-EtFOSE	19.6		"	24.7		79.2	25-150				
Surrogate: d7-N-MeFOSE	17.1		"	24.7		69.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

LCS (BG31426-BS2)	LCS	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	0.736	0.174	ug/kg wet	0.697		106	50-150				
Perfluorohexanoic acid (PFHxA)	0.802	0.197	"	0.787		102	50-150				
Perfluoroheptanoic acid (PFHpA)	0.581	0.197	"	0.787		73.9	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.725	0.180	"	0.720		101	50-150				
Perfluorooctanoic acid (PFOA)	0.867	0.197	"	0.787		110	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.849	0.183	"	0.732		116	50-150				
Perfluorononanoic acid (PFNA)	0.819	0.197	"	0.787		104	50-150				
Perfluorodecanoic acid (PFDA)	1.14	0.197	"	0.787		144	50-150				
Perfluoroundecanoic acid (PFUnA)	1.28	0.197	"	0.787		163	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	1.10	0.197	"	0.787		140	50-150				
Perfluorotridecanoic acid (PFTrDA)	1.16	0.197	"	0.787		147	50-150				
Perfluorotetradecanoic acid (PFTA)	0.912	0.197	"	0.787		116	50-150				
N-MeFOSAA	0.797	0.197	"	0.787		101	50-150				
N-EtFOSAA	0.351	0.197	"	0.787		44.5	50-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	1.64	0.394	"	1.57		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.890	0.197	"	0.787		113	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.936	0.197	"	0.752		124	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.393	0.190	"	0.760		51.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.66	0.748	"	2.99		122	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.65	0.756	"	3.02		187	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	3.26	0.787	"	3.15		103	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.58	0.350	"	1.40		113	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.38	0.394	"	1.57		87.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.74	0.394	"	1.57		111	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.52	0.394	"	1.57		96.6	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.928	0.185	"	0.740		125	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	3.47	0.738	"	2.95		117	50-150				
HFPO-DA (Gen-X)	1.43	0.787	"	1.57		91.0	50-150				
11CL-PF3OUdS	0.790	0.744	"	1.49		53.1	50-150				
9CL-PF3ONS	1.05	0.736	"	1.47		71.4	50-150				
ADONA	2.02	0.744	"	1.49		136	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.444	0.191	"	0.764		58.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.757	0.189	"	0.756		100	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	12.5	0.984	"	3.15		396	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	16.9	4.92	"	15.7		107	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	3.25	4.92	"	15.7		20.6	50-150	Low Bias			
N-MeFOSE	8.13	1.97	"	7.87		103	50-150				
N-MeFOSA	0.717	0.197	"	0.787		91.0	50-150				
N-EtFOSE	8.44	1.97	"	7.87		107	50-150				
N-EtFOSA	0.621	0.197	"	0.787		78.8	50-150				
Surrogate: M3PFBS	2.71		"	2.29		118	25-150				
Surrogate: M5PFHxA	3.99		"	2.46		162	25-150				
Surrogate: M4PFHpA	3.73		"	2.46		152	25-150				
Surrogate: M3PFHxS	2.55		"	2.33		109	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.18		"	2.46		129	25-150				
Surrogate: M6PFDA	0.921		"	1.23		74.8	25-150				
Surrogate: M7PFUdA	0.840		"	1.23		68.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.836		"	1.23		67.9	25-150				
Surrogate: M2PFTeDA	0.717		"	1.23		58.3	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BG31426 - EPA 1633 Prep

LCS (BG31426-BS2)	LCS	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	13.1		ug/kg wet	9.84		133	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.96		"	2.36		126	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.01		"	4.92		163	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.42		"	2.46		98.5	10-150				
Surrogate: d3-N-MeFOSAA	4.79		"	4.92		97.4	25-150				
Surrogate: d5-N-EtFOSAA	4.46		"	4.92		90.7	25-150				
Surrogate: M2-6:2 FTS	6.79		"	4.68		145	25-200				
Surrogate: M2-8:2 FTS	4.10		"	4.72		86.7	25-200				
Surrogate: M9PFNA	1.44		"	1.23		117	25-150				
Surrogate: M2-4:2 FTS	5.91		"	4.62		128	25-150				
Surrogate: d-N-MeFOSA	1.72		"	2.46		70.0	25-150				
Surrogate: d-N-EtFOSA	2.00		"	2.46		81.4	25-150				
Surrogate: M3HFPO-DA	14.7		"	9.84		149	25-150				
Surrogate: d9-N-EtFOSE	16.8		"	24.6		68.5	25-150				
Surrogate: d7-N-MeFOSE	19.4		"	24.6		78.7	25-150				

Duplicate (BG31426-DUP1)	Duplicate	*Source sample: 23G1162-11 (Duplicate)									
Perfluorobutanesulfonic acid (PFBS)	ND	0.224	ug/kg dry	ND						30	
Perfluorohexanoic acid (PFHxA)	0.0970	0.253	"	ND						30	
Perfluoroheptanoic acid (PFHpA)	ND	0.253	"	ND						30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.232	"	ND						30	
Perfluorooctanoic acid (PFOA)	0.296	0.253	"	ND						30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.235	"	ND						30	
Perfluorononanoic acid (PFNA)	0.757	0.253	"	0.601					23.0	30	
Perfluorodecanoic acid (PFDA)	ND	0.253	"	ND						30	
Perfluoroundecanoic acid (PFUnA)	0.333	0.253	"	0.288					14.7	30	
Perfluorododecanoic acid (PFDoA)	ND	0.253	"	ND						30	
Perfluorotridecanoic acid (PFTriDA)	0.212	0.253	"	ND						30	
Perfluorotetradecanoic acid (PFTA)	ND	0.253	"	ND						30	
N-MeFOSAA	ND	0.253	"	ND						30	
N-EtFOSAA	ND	0.253	"	ND						30	
Perfluoropentanoic acid (PFPeA)	0.198	0.506	"	ND						30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.253	"	ND						30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.253	"	ND						30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.244	"	ND						30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.962	"	ND						30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.972	"	ND						30	
Perfluoro-n-butanoic acid (PFBA)	0.401	1.01	"	0.226					55.7	30	Non-dir.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.450	"	ND						30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.506	"	ND						30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.506	"	ND						30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.506	"	ND						30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.238	"	ND						30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	0.949	"	ND						30	
HFPO-DA (Gen-X)	ND	1.01	"	ND						30	
11CL-PF3OUdS	ND	0.957	"	ND						30	
9CL-PF3ONS	ND	0.946	"	ND						30	
ADONA	ND	0.957	"	ND						30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

Duplicate (BG31426-DUP1)	Duplicate	*Source sample: 23G1162-11 (Duplicate)				Prepared: 07/25/2023 Analyzed: 07/28/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.245	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.243	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.27	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	6.33	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	6.33	"	ND						30	
N-MeFOSE	ND	2.53	"	ND						30	
N-MeFOSA	ND	0.253	"	ND						30	
N-EtFOSE	ND	2.53	"	ND						30	
N-EtFOSA	ND	0.253	"	ND						30	
Surrogate: M3PFBS	3.50		"	2.95		119	25-150				
Surrogate: M5PFHxA	4.17		"	3.16		132	25-150				
Surrogate: M4PFHpA	3.77		"	3.16		119	25-150				
Surrogate: M3PFHxS	3.78		"	3.00		126	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.93		"	3.16		124	25-150				
Surrogate: M6PFDA	1.75		"	1.58		111	25-150				
Surrogate: M7PFUdA	2.05		"	1.58		130	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.31		"	1.58		146	25-150				
Surrogate: M2PFTeDA	1.67		"	1.58		106	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.668		"	12.7		5.28	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	5.35		"	3.03		176	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.58		"	6.33		56.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	4.03		"	3.16		128	10-150				
Surrogate: d3-N-MeFOSAA	11.8		"	6.33		186	25-150				
Surrogate: d5-N-EtFOSAA	14.3		"	6.33		227	25-150				
Surrogate: M2-6:2 FTS	22.0		"	6.02		366	25-200				
Surrogate: M2-8:2 FTS	18.4		"	6.07		303	25-200				
Surrogate: M9PFNA	2.04		"	1.58		129	25-150				
Surrogate: M2-4:2 FTS	10.8		"	5.93		181	25-150				
Surrogate: d-N-MeFOSA	3.39		"	3.16		107	25-150				
Surrogate: d-N-EtFOSA	2.01		"	3.16		63.5	25-150				
Surrogate: M3HFPO-DA	12.3		"	12.7		96.9	25-150				
Surrogate: d9-N-EtFOSE	22.8		"	31.6		72.2	25-150				
Surrogate: d7-N-MeFOSE	26.1		"	31.6		82.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

Blank (BG31430-BLK1)	Blank									Prepared: 07/26/2023 Analyzed: 07/27/2023
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	4.00	"							
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"							
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"							
Perfluorooctanoic acid (PFOA)	ND	4.00	"							
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"							
Perfluorononanoic acid (PFNA)	ND	4.00	"							
Perfluorodecanoic acid (PFDA)	ND	4.00	"							
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"							
Perfluorododecanoic acid (PFDoA)	ND	4.00	"							
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"							
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"							
N-MeFOSAA	ND	4.00	"							
N-EtFOSAA	ND	4.00	"							
Perfluoropentanoic acid (PFPeA)	ND	8.00	"							
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"							
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"							
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"							
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"							
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"							
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"							
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"							
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"							
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"							
HFPO-DA (Gen-X)	ND	16.0	"							
11CL-PF3OUdS	ND	15.1	"							
9CL-PF3ONS	ND	15.0	"							
ADONA	ND	15.1	"							
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"							
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"							
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"							
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"							
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"							
N-MeFOSE	ND	40.0	"							
N-MeFOSA	ND	4.00	"							
N-EtFOSE	ND	40.0	"							
N-EtFOSA	ND	4.00	"							
Surrogate: M3PFBS	68.3		"	46.6		147	25-150			
Surrogate: M5PFHxA	76.7		"	50.0		153	25-150			
Surrogate: M4PFHpA	64.6		"	50.0		129	25-150			
Surrogate: M3PFHxS	70.4		"	47.4		149	25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	64.4		"	50.0		129	25-150			
Surrogate: M6PFDA	25.4		"	25.0		101	25-150			
Surrogate: M7PFUdA	24.6		"	25.0		98.3	25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.0		"	25.0		104	25-150			
Surrogate: M2PFTeDA	19.2		"	25.0		76.9	10-150			



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

Blank (BG31430-BLK1)	Blank	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	268		ng/L	200		134	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	76.1		"	47.9		159	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.8		"	50.0		124	10-150				
Surrogate: d3-N-MeFOSAA	117		"	100		117	25-150				
Surrogate: d5-N-EtFOSAA	109		"	100		109	25-150				
Surrogate: M2-6:2 FTS	113		"	95.1		119	25-200				
Surrogate: M2-8:2 FTS	110		"	96.0		115	25-200				
Surrogate: M9PFNA	30.6		"	25.0		122	25-150				
Surrogate: M2-4:2 FTS	115		"	93.8		123	25-150				
Surrogate: d-N-MeFOSA	40.7		"	50.0		81.5	25-150				
Surrogate: d-N-EtFOSA	19.5		"	50.0		39.0	25-150				
Surrogate: M3HFPO-DA	288		"	200		144	25-150				
Surrogate: d9-N-EtFOSE	427		"	500		85.5	25-150				
Surrogate: d7-N-MeFOSE	454		"	500		90.9	25-150				

LCS (BG31430-BS1)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorobutanesulfonic acid (PFBS)	72.8	3.54	ng/L	70.8		103	50-150				
Perfluorohexanoic acid (PFHxA)	86.0	4.00	"	80.0		107	50-150				
Perfluoroheptanoic acid (PFHpA)	76.5	4.00	"	80.0		95.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	75.5	3.66	"	73.2		103	50-150				
Perfluorooctanoic acid (PFOA)	75.3	4.00	"	80.0		94.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	65.0	3.72	"	74.4		87.3	50-150				
Perfluorononanoic acid (PFNA)	60.9	4.00	"	80.0		76.1	50-150				
Perfluorodecanoic acid (PFDA)	78.1	4.00	"	80.0		97.7	50-150				
Perfluoroundecanoic acid (PFUnA)	110	4.00	"	80.0		137	50-150				
Perfluorododecanoic acid (PFDoA)	77.2	4.00	"	80.0		96.5	50-150				
Perfluorotridecanoic acid (PFTriDA)	116	4.00	"	80.0		145	50-150				
Perfluorotetradecanoic acid (PFTA)	90.9	4.00	"	80.0		114	50-150				
N-MeFOSAA	122	4.00	"	80.0		152	50-150	High Bias			
N-EtFOSAA	66.8	4.00	"	80.0		83.5	50-150				
Perfluoropentanoic acid (PFPeA)	173	8.00	"	160		108	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	99.9	4.00	"	80.0		125	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	96.1	3.82	"	76.4		126	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	64.6	3.86	"	77.2		83.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	339	15.2	"	304		112	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	570	15.4	"	307		185	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	332	16.0	"	320		104	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	166	7.12	"	142		117	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	152	8.00	"	160		95.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	178	8.00	"	160		111	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	164	8.00	"	160		102	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	102	3.76	"	75.2		136	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	359	15.0	"	300		120	50-150				
HFPO-DA (Gen-X)	197	16.0	"	160		123	50-150				
11CL-PF3OUdS	132	15.1	"	151		87.3	50-150				
9CL-PF3ONS	144	15.0	"	150		96.2	50-150				
ADONA	194	15.1	"	151		129	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

LCS (BG31430-BS1)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorododecanesulfonic acid (PFDoS)	39.8	3.88	ng/L	77.6		51.3	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	87.3	3.84	"	76.8		114	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1600	10.0	"	320		500	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2030	50.0	"	1600		127	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	359	50.0	"	1600		22.4	50-150	Low Bias			
N-MeFOSE	792	40.0	"	800		99.0	50-150				
N-MeFOSA	114	4.00	"	80.0		143	50-150				
N-EtFOSE	824	40.0	"	800		103	50-150				
N-EtFOSA	69.8	4.00	"	80.0		87.2	50-150				
Surrogate: M3PFBS	56.1		"	46.6		120	25-150				
Surrogate: M5PFHxA	78.4		"	50.0		157	25-150				
Surrogate: M4PFHpA	59.8		"	50.0		120	25-150				
Surrogate: M3PFHxS	50.3		"	47.4		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.0		"	50.0		122	25-150				
Surrogate: M6PFDA	37.6		"	25.0		150	25-150				
Surrogate: M7PFUdA	26.8		"	25.0		107	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	23.9		"	25.0		95.7	25-150				
Surrogate: M2PFTeDA	14.4		"	25.0		57.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	269		"	200		135	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.9		"	47.9		171	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	162		"	100		162	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	68.9		"	50.0		138	10-150				
Surrogate: d3-N-MeFOSAA	142		"	100		142	25-150				
Surrogate: d5-N-EtFOSAA	175		"	100		175	25-150				
Surrogate: M2-6:2 FTS	168		"	95.1		177	25-200				
Surrogate: M2-8:2 FTS	112		"	96.0		117	25-200				
Surrogate: M9PFNA	36.4		"	25.0		146	25-150				
Surrogate: M2-4:2 FTS	144		"	93.8		154	25-150				
Surrogate: d-N-MeFOSA	35.0		"	50.0		70.0	25-150				
Surrogate: d-N-EtFOSA	30.4		"	50.0		60.8	25-150				
Surrogate: M3HFPO-DA	282		"	200		141	25-150				
Surrogate: d9-N-EtFOSE	293		"	500		58.7	25-150				
Surrogate: d7-N-MeFOSE	413		"	500		82.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31430 - EPA 1633 Prep											
LCS (BG31430-BS2)	LCS						Prepared: 07/26/2023 Analyzed: 07/27/2023				
Perfluorobutanesulfonic acid (PFBS)	17.3	3.54	ng/L	14.2		122	50-150				
Perfluorohexanoic acid (PFHxA)	16.9	4.00	"	16.0		105	50-150				
Perfluoroheptanoic acid (PFHpA)	13.7	4.00	"	16.0		85.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	15.3	3.66	"	14.6		105	50-150				
Perfluorooctanoic acid (PFOA)	18.6	4.00	"	16.0		116	50-150				
Perfluorooctanesulfonic acid (PFOS)	19.8	3.72	"	14.9		133	50-150				
Perfluorononanoic acid (PFNA)	17.4	4.00	"	16.0		109	50-150				
Perfluorodecanoic acid (PFDA)	21.0	4.00	"	16.0		131	50-150				
Perfluoroundecanoic acid (PFUnA)	25.4	4.00	"	16.0		159	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	21.9	4.00	"	16.0		137	50-150				
Perfluorotridecanoic acid (PFTrDA)	27.7	4.00	"	16.0		173	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	18.6	4.00	"	16.0		116	50-150				
N-MeFOSAA	24.9	4.00	"	16.0		156	50-150	High Bias			
N-EtFOSAA	13.4	4.00	"	16.0		83.9	50-150				
Perfluoropentanoic acid (PFPeA)	38.2	8.00	"	32.0		119	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	17.0	4.00	"	16.0		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	26.0	3.82	"	15.3		170	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	27.5	3.86	"	15.4		178	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	98.4	15.2	"	60.8		162	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	81.4	15.4	"	61.4		133	50-150				
Perfluoro-n-butanoic acid (PFBA)	72.6	16.0	"	64.0		114	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	36.3	7.12	"	28.5		127	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	31.3	8.00	"	32.0		97.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	28.6	8.00	"	32.0		89.5	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	34.4	8.00	"	32.0		108	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	19.8	3.76	"	15.0		131	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	79.2	15.0	"	60.0		132	50-150				
HFPO-DA (Gen-X)	33.5	16.0	"	32.0		105	50-150				
11CL-PF3OUdS	31.2	15.1	"	30.2		103	50-150				
9CL-PF3ONS	31.8	15.0	"	29.9		106	50-150				
ADONA	47.9	15.1	"	30.2		159	50-150	High Bias			
Perfluorododecanesulfonic acid (PFDoS)	17.9	3.88	"	15.5		116	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	19.6	3.84	"	15.4		128	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	352	10.0	"	64.0		551	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	420	50.0	"	320		131	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	67.3	50.0	"	320		21.0	50-150	Low Bias			
N-MeFOSE	176	40.0	"	160		110	50-150				
N-MeFOSA	18.8	4.00	"	16.0		117	50-150				
N-EtFOSE	162	40.0	"	160		101	50-150				
N-EtFOSA	15.1	4.00	"	16.0		94.2	50-150				
Surrogate: M3PFBS	53.0		"	46.6		114	25-150				
Surrogate: M5PFHxA	71.3		"	50.0		143	25-150				
Surrogate: M4PFHpA	69.1		"	50.0		138	25-150				
Surrogate: M3PFHxS	53.3		"	47.4		113	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.7		"	50.0		123	25-150				
Surrogate: M6PFDA	28.1		"	25.0		113	25-150				
Surrogate: M7PFUdA	27.1		"	25.0		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.0		"	25.0		108	25-150				
Surrogate: M2PFTeDA	18.7		"	25.0		74.9	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BG31430 - EPA 1633 Prep

LCS (BG31430-BS2)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	103		ng/L	200		51.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	46.3		"	47.9		96.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	155		"	100		155	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.2		"	50.0		120	10-150				
Surrogate: d3-N-MeFOSAA	99.5		"	100		99.5	25-150				
Surrogate: d5-N-EtFOSAA	116		"	100		116	25-150				
Surrogate: M2-6:2 FTS	117		"	95.1		123	25-200				
Surrogate: M2-8:2 FTS	120		"	96.0		125	25-200				
Surrogate: M9PFNA	35.3		"	25.0		141	25-150				
Surrogate: M2-4:2 FTS	119		"	93.8		127	25-150				
Surrogate: d-N-MeFOSA	42.0		"	50.0		84.0	25-150				
Surrogate: d-N-EtFOSA	33.4		"	50.0		66.9	25-150				
Surrogate: M3HFPO-DA	253		"	200		127	25-150				
Surrogate: d9-N-EtFOSE	427		"	500		85.4	25-150				
Surrogate: d7-N-MeFOSE	430		"	500		85.9	25-150				

Duplicate (BG31430-DUP1)	Duplicate	*Source sample: 23G1162-15 (Duplicate) Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	3.15	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	3.56	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	3.56	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	3.26	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	3.56	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	3.31	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	3.56	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	3.56	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	3.56	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	3.56	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	3.56	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	3.56	"		ND					30	
N-MeFOSAA	ND	3.56	"		ND					30	
N-EtFOSAA	ND	3.56	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	7.12	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.56	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.40	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.43	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	13.5	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	13.7	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	14.2	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	6.33	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	7.12	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.12	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	7.12	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.35	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	13.3	"		ND					30	
HFPO-DA (Gen-X)	ND	14.2	"		ND					30	
11CL-PF3OUdS	ND	13.5	"		ND					30	
9CL-PF3ONS	ND	13.3	"		ND					30	
ADONA	ND	13.5	"		ND					30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

Duplicate (BG31430-DUP1)	Duplicate	*Source sample: 23G1162-15 (Duplicate)				Prepared: 07/26/2023 Analyzed: 07/27/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	3.45	ng/L	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.42	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	8.90	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	44.5	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	44.5	"	ND						30	
N-MeFOSE	ND	35.6	"	ND						30	
N-MeFOSA	ND	3.56	"	ND						30	
N-EtFOSE	ND	35.6	"	ND						30	
N-EtFOSA	ND	3.56	"	ND						30	
Surrogate: M3PFBS	46.2		"	41.5		112	25-150				
Surrogate: M5PFHxA	59.6		"	44.5		134	25-150				
Surrogate: M4PFHpA	51.7		"	44.5		116	25-150				
Surrogate: M3PFHxS	45.4		"	42.2		108	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	49.7		"	44.5		112	25-150				
Surrogate: M6PFDA	23.9		"	22.2		107	25-150				
Surrogate: M7PFUdA	19.7		"	22.2		88.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.4		"	22.2		55.8	25-150				
Surrogate: M2PFTeDA	10.3		"	22.2		46.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	203		"	178		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	57.3		"	42.6		135	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	117		"	89.0		132	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	49.7		"	44.5		112	10-150				
Surrogate: d3-N-MeFOSAA	86.1		"	89.0		96.7	25-150				
Surrogate: d5-N-EtFOSAA	95.3		"	89.0		107	25-150				
Surrogate: M2-6:2 FTS	85.8		"	84.6		101	25-200				
Surrogate: M2-8:2 FTS	63.2		"	85.4		74.0	25-200				
Surrogate: M9PFNA	21.1		"	22.2		94.7	25-150				
Surrogate: M2-4:2 FTS	82.5		"	83.4		98.9	25-150				
Surrogate: d-N-MeFOSA	32.6		"	44.5		73.3	25-150				
Surrogate: d-N-EtFOSA	28.2		"	44.5		63.3	25-150				
Surrogate: M3HFPO-DA	221		"	178		124	25-150				
Surrogate: d9-N-EtFOSE	288		"	445		64.8	25-150				
Surrogate: d7-N-MeFOSE	309		"	445		69.5	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

Blank (BH30145-BLK1) Blank		Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.176	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.199	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.199	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.182	"								
Perfluorooctanoic acid (PFOA)	ND	0.199	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.185	"								
Perfluorononanoic acid (PFNA)	ND	0.199	"								
Perfluorodecanoic acid (PFDA)	ND	0.199	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.199	"								
Perfluorododecanoic acid (PFDoA)	ND	0.199	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.199	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.199	"								
N-MeFOSAA	ND	0.199	"								
N-EtFOSAA	ND	0.199	"								
Perfluoropentanoic acid (PFPeA)	ND	0.398	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.199	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.199	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.192	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.755	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.763	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.795	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.354	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.398	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.398	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.398	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.187	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.746	"								
HFPO-DA (Gen-X)	ND	0.795	"								
11CL-PF3OUdS	ND	0.751	"								
9CL-PF3ONS	ND	0.744	"								
ADONA	ND	0.751	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.193	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.191	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.994	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.97	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.97	"								
N-MeFOSE	ND	1.99	"								
N-MeFOSA	ND	0.199	"								
N-EtFOSE	ND	1.99	"								
N-EtFOSA	ND	0.199	"								
Surrogate: M3PFBS	2.18		"	2.32		94.2	25-150				
Surrogate: M5PFHxA	2.38		"	2.49		95.8	25-150				
Surrogate: M4PFHpA	1.67		"	2.49		67.1	25-150				
Surrogate: M3PFHxS	1.64		"	2.36		69.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.49		"	2.49		59.9	25-150				
Surrogate: M6PFDA	0.668		"	1.24		53.7	25-150				
Surrogate: M7PFUdA	0.684		"	1.24		55.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.548		"	1.24		44.1	25-150				
Surrogate: M2PFTeDA	0.524		"	1.24		42.2	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30145 - EPA 1633 Prep											
Blank (BH30145-BLK1)	Blank		Prepared: 08/03/2023 Analyzed: 08/08/2023								
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0838		ug/kg wet	9.94		0.843	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.21		"	2.38		51.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.507		"	4.97		10.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.43		"	2.49		57.5	10-150				
Surrogate: d3-N-MeFOSAA	2.57		"	4.97		51.6	25-150				
Surrogate: d5-N-EtFOSAA	2.63		"	4.97		53.0	25-150				
Surrogate: M2-6:2 FTS	2.08		"	4.73		44.1	25-200				
Surrogate: M2-8:2 FTS	2.41		"	4.77		50.6	25-200				
Surrogate: M9PFNA	0.750		"	1.24		60.3	25-150				
Surrogate: M2-4:2 FTS	2.69		"	4.66		57.6	25-150				
Surrogate: d-N-MeFOSA	1.29		"	2.49		51.8	25-150				
Surrogate: d-N-EtFOSA	1.31		"	2.49		52.7	25-150				
Surrogate: M3HFPO-DA	10.7		"	9.94		108	25-150				
Surrogate: d9-N-EtFOSE	8.67		"	24.9		34.9	25-150				
Surrogate: d7-N-MeFOSE	11.4		"	24.9		46.0	25-150				
LCS (BH30145-BS1)	LCS		Prepared: 08/03/2023 Analyzed: 08/08/2023								
Perfluorobutanesulfonic acid (PFBS)	4.74	0.175	ug/kg wet	3.50		135	50-150				
Perfluorohexanoic acid (PFHxA)	4.95	0.198	"	3.95		125	50-150				
Perfluoroheptanoic acid (PFHpA)	5.16	0.198	"	3.95		130	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.81	0.181	"	3.62		133	50-150				
Perfluorooctanoic acid (PFOA)	4.89	0.198	"	3.95		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	5.10	0.184	"	3.68		139	50-150				
Perfluorononanoic acid (PFNA)	5.68	0.198	"	3.95		144	50-150				
Perfluorodecanoic acid (PFDA)	5.18	0.198	"	3.95		131	50-150				
Perfluoroundecanoic acid (PFUnA)	6.30	0.198	"	3.95		159	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	5.60	0.198	"	3.95		142	50-150				
Perfluorotridecanoic acid (PFTriDA)	5.82	0.198	"	3.95		147	50-150				
Perfluorotetradecanoic acid (PFTA)	4.94	0.198	"	3.95		125	50-150				
N-MeFOSAA	5.39	0.198	"	3.95		136	50-150				
N-EtFOSAA	5.16	0.198	"	3.95		130	50-150				
Perfluoropentanoic acid (PFPeA)	10.9	0.395	"	7.91		137	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.63	0.198	"	3.95		142	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.47	0.198	"	3.77		145	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.33	0.191	"	3.81		140	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	19.7	0.751	"	15.0		131	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	23.0	0.759	"	15.2		152	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	8.71	0.791	"	15.8		55.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.22	0.352	"	7.04		131	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.23	0.395	"	7.91		104	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.19	0.395	"	7.91		15.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	33.9	0.395	"	7.91		429	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	6.09	0.186	"	3.72		164	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	19.2	0.741	"	14.8		130	50-150				
HFPO-DA (Gen-X)	8.81	0.791	"	7.91		111	50-150				
11CL-PF3OUdS	3.61	0.747	"	7.47		48.3	50-150	Low Bias			
9CL-PF3ONS	3.53	0.739	"	7.39		47.8	50-150	Low Bias			
ADONA	6.70	0.747	"	7.47		89.7	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

LCS (BH30145-BS1)	LCS	Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorododecanesulfonic acid (PFDoS)	4.50	0.192	ug/kg wet	3.83		117	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.52	0.190	"	3.79		146	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	14.1	0.988	"	15.8		89.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	102	4.94	"	79.1		129	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	55.5	4.94	"	79.1		70.2	50-150				
N-MeFOSE	58.2	1.98	"	39.5		147	50-150				
N-MeFOSA	6.16	0.198	"	3.95		156	50-150	High Bias			
N-EtFOSE	54.2	1.98	"	39.5		137	50-150				
N-EtFOSA	5.07	0.198	"	3.95		128	50-150				
Surrogate: M3PFBS	2.00		"	2.30		86.8	25-150				
Surrogate: M5PFHxA	2.52		"	2.47		102	25-150				
Surrogate: M4PFHpA	1.53		"	2.47		61.9	25-150				
Surrogate: M3PFHxS	1.38		"	2.34		58.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.50		"	2.47		60.7	25-150				
Surrogate: M6PFDA	0.572		"	1.24		46.3	25-150				
Surrogate: M7PFUdA	0.486		"	1.24		39.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.454		"	1.24		36.7	25-150				
Surrogate: M2PFTeDA	0.437		"	1.24		35.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0852		"	9.88		0.862	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.09		"	2.37		46.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.395		"	4.94		8.00	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.18		"	2.47		47.9	10-150				
Surrogate: d3-N-MeFOSAA	1.92		"	4.94		38.8	25-150				
Surrogate: d5-N-EtFOSAA	1.95		"	4.94		39.4	25-150				
Surrogate: M2-6:2 FTS	1.91		"	4.70		40.7	25-200				
Surrogate: M2-8:2 FTS	2.02		"	4.74		42.7	25-200				
Surrogate: M9PFNA	0.574		"	1.24		46.5	25-150				
Surrogate: M2-4:2 FTS	2.90		"	4.63		62.6	25-150				
Surrogate: d-N-MeFOSA	1.06		"	2.47		42.8	25-150				
Surrogate: d-N-EtFOSA	1.13		"	2.47		45.6	25-150				
Surrogate: M3HFPO-DA	11.2		"	9.88		113	25-150				
Surrogate: d9-N-EtFOSE	8.73		"	24.7		35.3	25-150				
Surrogate: d7-N-MeFOSE	10.1		"	24.7		41.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30145 - EPA 1633 Prep											
LCS (BH30145-BS2)	LCS						Prepared: 08/03/2023 Analyzed: 08/08/2023				
Perfluorobutanesulfonic acid (PFBS)	0.701	0.174	ug/kg wet	0.697		101	50-150				
Perfluorohexanoic acid (PFHxA)	0.705	0.197	"	0.787		89.5	50-150				
Perfluoroheptanoic acid (PFHpA)	0.721	0.197	"	0.787		91.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.511	0.180	"	0.720		70.9	50-150				
Perfluorooctanoic acid (PFOA)	0.729	0.197	"	0.787		92.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.516	0.183	"	0.732		70.5	50-150				
Perfluorononanoic acid (PFNA)	0.777	0.197	"	0.787		98.6	50-150				
Perfluorodecanoic acid (PFDA)	0.613	0.197	"	0.787		77.9	50-150				
Perfluoroundecanoic acid (PFUnA)	0.724	0.197	"	0.787		91.9	50-150				
Perfluorododecanoic acid (PFDoA)	0.759	0.197	"	0.787		96.4	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.756	0.197	"	0.787		96.0	50-150				
Perfluorotetradecanoic acid (PFTA)	0.728	0.197	"	0.787		92.4	50-150				
N-MeFOSAA	0.674	0.197	"	0.787		85.6	50-150				
N-EtFOSAA	0.692	0.197	"	0.787		87.8	50-150				
Perfluoropentanoic acid (PFPeA)	1.48	0.394	"	1.57		93.7	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.831	0.197	"	0.787		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.840	0.197	"	0.752		112	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.672	0.190	"	0.760		88.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.15	0.748	"	2.99		105	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	3.20	0.756	"	3.02		106	50-150				
Perfluoro-n-butanoic acid (PFBA)	1.02	0.787	"	3.15		32.4	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	1.29	0.350	"	1.40		92.4	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.05	0.394	"	1.57		66.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.170	0.394	"	1.57		10.8	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	4.88	0.394	"	1.57		310	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	0.769	0.185	"	0.740		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	2.82	0.738	"	2.95		95.5	50-150				
HFPO-DA (Gen-X)	1.30	0.787	"	1.57		82.4	50-150				
11CL-PF3OUdS	0.597	0.744	"	1.49		40.1	50-150	Low Bias			
9CL-PF3ONS	0.634	0.736	"	1.47		43.1	50-150	Low Bias			
ADONA	1.15	0.744	"	1.49		77.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.643	0.191	"	0.764		84.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.758	0.189	"	0.756		100	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1.84	0.984	"	3.15		58.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	15.3	4.92	"	15.7		97.4	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	9.84	4.92	"	15.7		62.5	50-150				
N-MeFOSE	6.56	1.97	"	7.87		83.4	50-150				
N-MeFOSA	0.826	0.197	"	0.787		105	50-150				
N-EtFOSE	6.03	1.97	"	7.87		76.6	50-150				
N-EtFOSA	0.721	0.197	"	0.787		91.6	50-150				
Surrogate: M3PFBS	2.01		"	2.29		87.6	25-150				
Surrogate: M5PFHxA	2.31		"	2.46		93.9	25-150				
Surrogate: M4PFHpA	2.03		"	2.46		82.4	25-150				
Surrogate: M3PFHxS	1.80		"	2.33		77.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.67		"	2.46		67.9	25-150				
Surrogate: M6PFDA	0.697		"	1.23		56.6	25-150				
Surrogate: M7PFUdA	0.663		"	1.23		53.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.583		"	1.23		47.3	25-150				
Surrogate: M2PFTeDA	0.480		"	1.23		39.0	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BH30145 - EPA 1633 Prep

LCS (BH30145-BS2)	LCS	Prepared: 08/03/2023 Analyzed: 08/08/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0696		ug/kg wet	9.84		0.707	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.27		"	2.36		53.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.247		"	4.92		5.01	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.35		"	2.46		55.0	10-150				
Surrogate: d3-N-MeFOSAA	1.84		"	4.92		37.4	25-150				
Surrogate: d5-N-EtFOSAA	2.29		"	4.92		46.4	25-150				
Surrogate: M2-6:2 FTS	2.32		"	4.68		49.5	25-200				
Surrogate: M2-8:2 FTS	1.48		"	4.72		31.3	25-200				
Surrogate: M9PFNA	0.688		"	1.23		55.9	25-150				
Surrogate: M2-4:2 FTS	3.39		"	4.62		73.5	25-150				
Surrogate: d-N-MeFOSA	1.13		"	2.46		46.0	25-150				
Surrogate: d-N-EtFOSA	1.07		"	2.46		43.7	25-150				
Surrogate: M3HFPO-DA	9.81		"	9.84		99.7	25-150				
Surrogate: d9-N-EtFOSE	10.4		"	24.6		42.1	25-150				
Surrogate: d7-N-MeFOSE	12.3		"	24.6		50.0	25-150				

Duplicate (BH30145-DUP1)	Duplicate	*Source sample: 23G1244-09 (Duplicate) Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.197	ug/kg dry		ND						30
Perfluorohexanoic acid (PFHxA)	ND	0.222	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	0.222	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	0.204	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	0.222	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	0.207	"		ND						30
Perfluorononanoic acid (PFNA)	ND	0.222	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	0.222	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	0.222	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	0.222	"		ND						30
Perfluorotridecanoic acid (PFTriDA)	ND	0.222	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	0.222	"		ND						30
N-MeFOSAA	ND	0.222	"		ND						30
N-EtFOSAA	ND	0.222	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	0.445	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.222	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.222	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.215	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.845	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.854	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	0.890	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.396	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.445	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.445	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.445	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.209	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.834	"		ND						30
HFPO-DA (Gen-X)	ND	0.890	"		ND						30
11CL-PF3OUdS	ND	0.841	"		ND						30
9CL-PF3ONS	ND	0.832	"		ND						30
ADONA	ND	0.841	"		ND						30



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

Duplicate (BH30145-DUP1)	Duplicate	*Source sample: 23G1244-09 (Duplicate)				Prepared: 08/03/2023 Analyzed: 08/08/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.216	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.214	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.11	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.56	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.56	"	ND						30	
N-MeFOSE	ND	2.22	"	ND						30	
N-MeFOSA	ND	0.222	"	ND						30	
N-EtFOSE	ND	2.22	"	ND						30	
N-EtFOSA	ND	0.222	"	ND						30	
Surrogate: M3PFBS	2.54		"	2.59		97.9	25-150				
Surrogate: M5PFHxA	2.93		"	2.78		106	25-150				
Surrogate: M4PFHpA	2.61		"	2.78		94.0	25-150				
Surrogate: M3PFHxS	2.74		"	2.64		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.53		"	2.78		90.8	25-150				
Surrogate: M6PFDA	1.14		"	1.39		81.7	25-150				
Surrogate: M7PFUdA	1.25		"	1.39		90.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.18		"	1.39		84.8	25-150				
Surrogate: M2PFTeDA	0.744		"	1.39		53.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0994		"	11.1		0.894	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.89		"	2.66		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.360		"	5.56		6.47	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.77		"	2.78		99.7	10-150				
Surrogate: d3-N-MeFOSAA	5.75		"	5.56		103	25-150				
Surrogate: d5-N-EtFOSAA	7.05		"	5.56		127	25-150				
Surrogate: M2-6:2 FTS	3.96		"	5.29		74.9	25-200				
Surrogate: M2-8:2 FTS	4.03		"	5.34		75.6	25-200				
Surrogate: M9PFNA	1.17		"	1.39		84.0	25-150				
Surrogate: M2-4:2 FTS	3.97		"	5.22		76.0	25-150				
Surrogate: d-N-MeFOSA	1.36		"	2.78		48.9	25-150				
Surrogate: d-N-EtFOSA	0.774		"	2.78		27.8	25-150				
Surrogate: M3HFPO-DA	11.7		"	11.1		106	25-150				
Surrogate: d9-N-EtFOSE	12.2		"	27.8		44.0	25-150				
Surrogate: d7-N-MeFOSE	16.6		"	27.8		59.7	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31269 - EPA SW846-3510C Low Level

Blank (BG31269-BLK1)	Blank										Prepared & Analyzed: 07/24/2023
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	0.200		"	0.200		99.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.152		"	0.200		76.1	30-150				

LCS (BG31269-BS1)	LCS										Prepared & Analyzed: 07/24/2023
4,4'-DDD	0.0959	0.00400	ug/L	0.100		95.9	40-140				
4,4'-DDE	0.0875	0.00400	"	0.100		87.5	40-140				
4,4'-DDT	0.0910	0.00400	"	0.100		91.0	40-140				
Aldrin	0.0684	0.00400	"	0.100		68.4	40-140				
alpha-BHC	0.0836	0.00400	"	0.100		83.6	40-140				
alpha-Chlordane	0.0831	0.00400	"	0.100		83.1	40-140				
beta-BHC	0.0916	0.00400	"	0.100		91.6	40-140				
delta-BHC	0.0842	0.00400	"	0.100		84.2	40-140				
Dieldrin	0.0894	0.00200	"	0.100		89.4	40-140				
Endosulfan I	0.0886	0.00400	"	0.100		88.6	40-140				
Endosulfan II	0.0950	0.00400	"	0.100		95.0	40-140				
Endosulfan sulfate	0.0949	0.00400	"	0.100		94.9	40-140				
Endrin	0.0933	0.00400	"	0.100		93.3	40-140				
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140				
Endrin ketone	0.0992	0.0100	"	0.100		99.2	40-140				
gamma-BHC (Lindane)	0.0872	0.00400	"	0.100		87.2	40-140				
gamma-Chlordane	0.0838	0.0100	"	0.100		83.8	40-140				
Heptachlor	0.0873	0.00400	"	0.100		87.3	40-140				
Heptachlor epoxide	0.0917	0.00400	"	0.100		91.7	40-140				
Methoxychlor	0.0999	0.00400	"	0.100		99.9	40-140				
Surrogate: Decachlorobiphenyl	0.181		"	0.200		90.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.163		"	0.200		81.6	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31269 - EPA SW846-3510C Low Level

LCS Dup (BG31269-BS1) LCS Dup		Prepared & Analyzed: 07/24/2023									
4,4'-DDD	0.0905	0.00400	ug/L	0.100		90.5	40-140		5.79	20	
4,4'-DDE	0.0845	0.00400	"	0.100		84.5	40-140		3.54	20	
4,4'-DDT	0.0883	0.00400	"	0.100		88.3	40-140		3.01	20	
Aldrin	0.0689	0.00400	"	0.100		68.9	40-140		0.661	20	
alpha-BHC	0.0831	0.00400	"	0.100		83.1	40-140		0.641	20	
alpha-Chlordane	0.0794	0.00400	"	0.100		79.4	40-140		4.53	20	
beta-BHC	0.0909	0.00400	"	0.100		90.9	40-140		0.747	20	
delta-BHC	0.0810	0.00400	"	0.100		81.0	40-140		3.91	20	
Dieldrin	0.0860	0.00200	"	0.100		86.0	40-140		3.92	20	
Endosulfan I	0.0858	0.00400	"	0.100		85.8	40-140		3.31	20	
Endosulfan II	0.0907	0.00400	"	0.100		90.7	40-140		4.61	20	
Endosulfan sulfate	0.0923	0.00400	"	0.100		92.3	40-140		2.80	20	
Endrin	0.0882	0.00400	"	0.100		88.2	40-140		5.63	20	
Endrin aldehyde	0.108	0.0100	"	0.100		108	40-140		5.33	20	
Endrin ketone	0.0955	0.0100	"	0.100		95.5	40-140		3.78	20	
gamma-BHC (Lindane)	0.0862	0.00400	"	0.100		86.2	40-140		1.15	20	
gamma-Chlordane	0.0819	0.0100	"	0.100		81.9	40-140		2.29	20	
Heptachlor	0.0885	0.00400	"	0.100		88.5	40-140		1.45	20	
Heptachlor epoxide	0.0901	0.00400	"	0.100		90.1	40-140		1.78	20	
Methoxychlor	0.0909	0.00400	"	0.100		90.9	40-140		9.38	20	
Surrogate: Decachlorobiphenyl	0.183		"	0.200		91.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.174		"	0.200		87.0	30-150				

Batch BG31556 - EPA 3550C

Blank (BG31556-BLK1) Blank		Prepared: 07/27/2023 Analyzed: 07/28/2023									
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	0.0797		"	0.0664		120	30-150				
Surrogate: Tetrachloro-m-xylene	0.0534		"	0.0664		80.3	30-150				





Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31556 - EPA 3550C

LCS (BG31556-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
4,4'-DDD	0.0248	0.00164	mg/kg wet	0.0332		74.7	40-140				
4,4'-DDE	0.0238	0.00164	"	0.0332		71.5	40-140				
4,4'-DDT	0.0257	0.00164	"	0.0332		77.4	40-140				
Aldrin	0.0228	0.00164	"	0.0332		68.7	40-140				
alpha-BHC	0.0225	0.00164	"	0.0332		67.8	40-140				
alpha-Chlordane	0.0241	0.00164	"	0.0332		72.4	40-140				
beta-BHC	0.0216	0.00164	"	0.0332		64.9	40-140				
delta-BHC	0.0216	0.00164	"	0.0332		64.9	40-140				
Dieldrin	0.0242	0.00164	"	0.0332		72.8	40-140				
Endosulfan I	0.0247	0.00164	"	0.0332		74.5	40-140				
Endosulfan II	0.0257	0.00164	"	0.0332		77.3	40-140				
Endosulfan sulfate	0.0248	0.00164	"	0.0332		74.7	40-140				
Endrin	0.0248	0.00164	"	0.0332		74.7	40-140				
Endrin aldehyde	0.0249	0.00164	"	0.0332		74.8	40-140				
Endrin ketone	0.0262	0.00164	"	0.0332		78.9	40-140				
gamma-BHC (Lindane)	0.0227	0.00164	"	0.0332		68.3	40-140				
gamma-Chlordane	0.0234	0.00164	"	0.0332		70.3	40-140				
Heptachlor	0.0236	0.00164	"	0.0332		71.2	40-140				
Heptachlor epoxide	0.0244	0.00164	"	0.0332		73.3	40-140				
Methoxychlor	0.0291	0.00164	"	0.0332		87.5	40-140				
Surrogate: Decachlorobiphenyl	0.0669		"	0.0664		101	30-150				
Surrogate: Tetrachloro-m-xylene	0.0440		"	0.0664		66.2	30-150				

Matrix Spike (BG31556-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike) Prepared: 07/27/2023 Analyzed: 07/29/2023									
4,4'-DDD	0.0369	0.00172	mg/kg dry	0.0347	ND	107	30-150				
4,4'-DDE	0.0351	0.00172	"	0.0347	ND	101	30-150				
4,4'-DDT	0.0372	0.00172	"	0.0347	ND	107	30-150				
Aldrin	0.0353	0.00172	"	0.0347	ND	102	30-150				
alpha-BHC	0.0432	0.00172	"	0.0347	ND	125	30-150				
alpha-Chlordane	0.0355	0.00172	"	0.0347	ND	102	30-150				
beta-BHC	0.0337	0.00172	"	0.0347	ND	97.4	30-150				
delta-BHC	0.0346	0.00172	"	0.0347	ND	99.7	30-150				
Dieldrin	0.0357	0.00172	"	0.0347	ND	103	30-150				
Endosulfan I	0.0361	0.00172	"	0.0347	ND	104	30-150				
Endosulfan II	0.0374	0.00172	"	0.0347	ND	108	30-150				
Endosulfan sulfate	0.0358	0.00172	"	0.0347	ND	103	30-150				
Endrin	0.0350	0.00172	"	0.0347	ND	101	30-150				
Endrin aldehyde	0.0355	0.00172	"	0.0347	ND	102	30-150				
Endrin ketone	0.0394	0.00172	"	0.0347	ND	114	30-150				
gamma-BHC (Lindane)	0.0356	0.00172	"	0.0347	ND	103	30-150				
gamma-Chlordane	0.0349	0.00172	"	0.0347	ND	101	30-150				
Heptachlor	0.0368	0.00172	"	0.0347	ND	106	30-150				
Heptachlor epoxide	0.0362	0.00172	"	0.0347	ND	105	30-150				
Methoxychlor	0.0407	0.00172	"	0.0347	ND	117	30-150				
Surrogate: Decachlorobiphenyl	0.0955		"	0.0693		138	30-150				
Surrogate: Tetrachloro-m-xylene	0.0628		"	0.0693		90.7	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31556 - EPA 3550C

Matrix Spike Dup (BG31556-1) Matrix Spike Dup						Source sample: 23G1204-01 (Matrix Spike Dup)						Prepared: 07/27/2023 Analyzed: 07/29/2023	
4,4'-DDD	0.0554	0.00172	mg/kg dry	0.0347	ND	160	30-150	High Bias	40.0	30	Non-dir.		
4,4'-DDE	0.0533	0.00172	"	0.0347	ND	154	30-150	High Bias	41.2	30	Non-dir.		
4,4'-DDT	0.0557	0.00172	"	0.0347	ND	161	30-150	High Bias	39.8	30	Non-dir.		
Aldrin	0.0531	0.00172	"	0.0347	ND	153	30-150	High Bias	40.2	30	Non-dir.		
alpha-BHC	0.0542	0.00172	"	0.0347	ND	156	30-150	High Bias	22.7	30			
alpha-Chlordane	0.0532	0.00172	"	0.0347	ND	153	30-150	High Bias	39.9	30	Non-dir.		
beta-BHC	0.0542	0.00172	"	0.0347	ND	156	30-150	High Bias	46.5	30	Non-dir.		
delta-BHC	0.0513	0.00172	"	0.0347	ND	148	30-150		39.0	30	Non-dir.		
Dieldrin	0.0550	0.00172	"	0.0347	ND	159	30-150	High Bias	42.5	30	Non-dir.		
Endosulfan I	0.0566	0.00172	"	0.0347	ND	163	30-150	High Bias	44.3	30	Non-dir.		
Endosulfan II	0.0544	0.00172	"	0.0347	ND	157	30-150	High Bias	37.1	30	Non-dir.		
Endosulfan sulfate	0.0522	0.00172	"	0.0347	ND	151	30-150	High Bias	37.4	30	Non-dir.		
Endrin	0.0538	0.00172	"	0.0347	ND	155	30-150	High Bias	42.5	30	Non-dir.		
Endrin aldehyde	0.0513	0.00172	"	0.0347	ND	148	30-150		36.5	30	Non-dir.		
Endrin ketone	0.0575	0.00172	"	0.0347	ND	166	30-150	High Bias	37.4	30	Non-dir.		
gamma-BHC (Lindane)	0.0531	0.00172	"	0.0347	ND	153	30-150	High Bias	39.4	30	Non-dir.		
gamma-Chlordane	0.0522	0.00172	"	0.0347	ND	151	30-150	High Bias	39.8	30	Non-dir.		
Heptachlor	0.0543	0.00172	"	0.0347	ND	157	30-150	High Bias	38.5	30	Non-dir.		
Heptachlor epoxide	0.0559	0.00172	"	0.0347	ND	161	30-150	High Bias	42.6	30	Non-dir.		
Methoxychlor	0.0618	0.00172	"	0.0347	ND	178	30-150	High Bias	41.2	30	Non-dir.		
Surrogate: Decachlorobiphenyl	0.108		"	0.0693		156	30-150						
Surrogate: Tetrachloro-m-xylene	0.0738		"	0.0693		106	30-150						

Batch BH30139 - EPA 3550C

Blank (BH30139-BLK1)	Blank	Prepared & Analyzed: 08/03/2023											
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	0.0520		"	0.0664		78.2	30-150						
Surrogate: Tetrachloro-m-xylene	0.0356		"	0.0664		53.6	30-150						



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30139 - EPA 3550C

LCS (BH30139-BS1)	LCS	Prepared & Analyzed: 08/03/2023									
4,4'-DDD	0.0218	0.00164	mg/kg wet	0.0332		65.7	40-140				
4,4'-DDE	0.0215	0.00164	"	0.0332		64.8	40-140				
4,4'-DDT	0.0227	0.00164	"	0.0332		68.2	40-140				
Aldrin	0.0206	0.00164	"	0.0332		62.1	40-140				
alpha-BHC	0.0206	0.00164	"	0.0332		62.1	40-140				
alpha-Chlordane	0.0218	0.00164	"	0.0332		65.7	40-140				
beta-BHC	0.0217	0.00164	"	0.0332		65.4	40-140				
delta-BHC	0.0198	0.00164	"	0.0332		59.6	40-140				
Dieldrin	0.0214	0.00164	"	0.0332		64.4	40-140				
Endosulfan I	0.0221	0.00164	"	0.0332		66.5	40-140				
Endosulfan II	0.0219	0.00164	"	0.0332		66.0	40-140				
Endosulfan sulfate	0.0220	0.00164	"	0.0332		66.1	40-140				
Endrin	0.0212	0.00164	"	0.0332		63.8	40-140				
Endrin aldehyde	0.0211	0.00164	"	0.0332		63.4	40-140				
Endrin ketone	0.0225	0.00164	"	0.0332		67.8	40-140				
gamma-BHC (Lindane)	0.0212	0.00164	"	0.0332		63.9	40-140				
gamma-Chlordane	0.0214	0.00164	"	0.0332		64.5	40-140				
Heptachlor	0.0214	0.00164	"	0.0332		64.5	40-140				
Heptachlor epoxide	0.0219	0.00164	"	0.0332		65.9	40-140				
Methoxychlor	0.0255	0.00164	"	0.0332		76.7	40-140				
Surrogate: Decachlorobiphenyl	0.0457		"	0.0664		68.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0301		"	0.0664		45.3	30-150				

Matrix Spike (BH30139-MS1)	Matrix Spike	*Source sample: 23G1583-01 (Matrix Spike)									
4,4'-DDD	0.0303	0.00171	mg/kg dry	0.0345	ND	88.0	30-150				
4,4'-DDE	0.0285	0.00171	"	0.0345	ND	82.6	30-150				
4,4'-DDT	0.0251	0.00171	"	0.0345	0.00180	67.6	30-150				
Aldrin	0.0273	0.00171	"	0.0345	ND	79.2	30-150				
alpha-BHC	0.0279	0.00171	"	0.0345	ND	81.0	30-150				
alpha-Chlordane	0.0284	0.00171	"	0.0345	ND	82.3	30-150				
beta-BHC	0.0282	0.00171	"	0.0345	ND	81.9	30-150				
delta-BHC	0.0270	0.00171	"	0.0345	ND	78.4	30-150				
Dieldrin	0.0277	0.00171	"	0.0345	ND	80.5	30-150				
Endosulfan I	0.0285	0.00171	"	0.0345	ND	82.6	30-150				
Endosulfan II	0.0286	0.00171	"	0.0345	ND	82.9	30-150				
Endosulfan sulfate	0.0290	0.00171	"	0.0345	ND	84.2	30-150				
Endrin	0.0259	0.00171	"	0.0345	ND	75.3	30-150				
Endrin aldehyde	0.0290	0.00171	"	0.0345	ND	84.0	30-150				
Endrin ketone	0.0301	0.00171	"	0.0345	ND	87.3	30-150				
gamma-BHC (Lindane)	0.0283	0.00171	"	0.0345	ND	82.0	30-150				
gamma-Chlordane	0.0276	0.00171	"	0.0345	ND	80.2	30-150				
Heptachlor	0.0272	0.00171	"	0.0345	ND	78.8	30-150				
Heptachlor epoxide	0.0284	0.00171	"	0.0345	ND	82.4	30-150				
Methoxychlor	0.0277	0.00171	"	0.0345	ND	80.5	30-150				
Surrogate: Decachlorobiphenyl	0.0612		"	0.0689		88.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0382		"	0.0689		55.5	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30139 - EPA 3550C

Matrix Spike Dup (BH30139-1) Matrix Spike Dup						Source sample: 23G1583-01 (Matrix Spike Dup)						Prepared: 08/03/2023 Analyzed: 08/04/2023	
4,4'-DDD	0.0247	0.00171	mg/kg dry	0.0345	ND	71.6	30-150		20.5	30			
4,4'-DDE	0.0228	0.00171	"	0.0345	ND	66.0	30-150		22.3	30			
4,4'-DDT	0.0202	0.00171	"	0.0345	0.00180	53.3	30-150		21.8	30			
Aldrin	0.0219	0.00171	"	0.0345	ND	63.4	30-150		22.1	30			
alpha-BHC	0.0221	0.00171	"	0.0345	ND	64.0	30-150		23.4	30			
alpha-Chlordane	0.0228	0.00171	"	0.0345	ND	66.2	30-150		21.7	30			
beta-BHC	0.0230	0.00171	"	0.0345	ND	66.7	30-150		20.5	30			
delta-BHC	0.0212	0.00171	"	0.0345	ND	61.5	30-150		24.2	30			
Dieldrin	0.0222	0.00171	"	0.0345	ND	64.6	30-150		22.0	30			
Endosulfan I	0.0231	0.00171	"	0.0345	ND	66.9	30-150		21.1	30			
Endosulfan II	0.0231	0.00171	"	0.0345	ND	67.0	30-150		21.3	30			
Endosulfan sulfate	0.0233	0.00171	"	0.0345	ND	67.5	30-150		22.0	30			
Endrin	0.0206	0.00171	"	0.0345	ND	59.9	30-150		22.8	30			
Endrin aldehyde	0.0230	0.00171	"	0.0345	ND	66.9	30-150		22.7	30			
Endrin ketone	0.0245	0.00171	"	0.0345	ND	71.2	30-150		20.4	30			
gamma-BHC (Lindane)	0.0225	0.00171	"	0.0345	ND	65.2	30-150		22.9	30			
gamma-Chlordane	0.0224	0.00171	"	0.0345	ND	64.9	30-150		21.1	30			
Heptachlor	0.0217	0.00171	"	0.0345	ND	63.0	30-150		22.3	30			
Heptachlor epoxide	0.0230	0.00171	"	0.0345	ND	66.6	30-150		21.2	30			
Methoxychlor	0.0214	0.00171	"	0.0345	ND	62.0	30-150		25.9	30			
Surrogate: Decachlorobiphenyl	0.0504		"	0.0689		73.2	30-150						
Surrogate: Tetrachloro-m-xylene	0.0310		"	0.0689		44.9	30-150						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31269 - EPA SW846-3510C Low Level

Blank (BG31269-BLK2)	Blank		Prepared: 07/24/2023 Analyzed: 07/25/2023								
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	0.140		"	0.200		70.0	30-120				
Surrogate: Decachlorobiphenyl	0.194		"	0.200		97.0	30-120				

LCS (BG31269-BS2)	LCS		Prepared: 07/24/2023 Analyzed: 07/25/2023								
Aroclor 1016	0.915	0.0500	ug/L	1.00		91.5	40-120				
Aroclor 1260	0.864	0.0500	"	1.00		86.4	40-120				
Surrogate: Tetrachloro-m-xylene	0.149		"	0.200		74.5	30-120				
Surrogate: Decachlorobiphenyl	0.189		"	0.200		94.5	30-120				

LCS Dup (BG31269-BSD2)	LCS Dup		Prepared: 07/24/2023 Analyzed: 07/25/2023								
Aroclor 1016	0.862	0.0500	ug/L	1.00		86.2	40-120	6.00	30		
Aroclor 1260	0.841	0.0500	"	1.00		84.1	40-120	2.79	30		
Surrogate: Tetrachloro-m-xylene	0.152		"	0.200		76.0	30-120				
Surrogate: Decachlorobiphenyl	0.172		"	0.200		86.0	30-120				

Batch BG31556 - EPA 3550C

Blank (BG31556-BLK2)	Blank		Prepared: 07/27/2023 Analyzed: 07/28/2023								
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	0.0625		"	0.0664		94.0	30-120				
Surrogate: Decachlorobiphenyl	0.0651		"	0.0664		98.0	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31556 - EPA 3550C											
LCS (BG31556-BS2)	LCS		Prepared: 07/27/2023 Analyzed: 07/28/2023								
Aroclor 1016	0.220	0.0166	mg/kg wet	0.332		66.4	40-130				
Aroclor 1260	0.228	0.0166	"	0.332		68.6	40-130				
Surrogate: Tetrachloro-m-xylene	0.0505		"	0.0664		76.0	30-120				
Surrogate: Decachlorobiphenyl	0.0515		"	0.0664		77.5	30-120				
Batch BH30139 - EPA 3550C											
Blank (BH30139-BLK2)	Blank		Prepared: 08/03/2023 Analyzed: 08/04/2023								
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	0.0432		"	0.0664		65.0	30-120				
Surrogate: Decachlorobiphenyl	0.0302		"	0.0664		45.5	30-120				
LCS (BH30139-BS2)	LCS		Prepared: 08/03/2023 Analyzed: 08/04/2023								
Aroclor 1016	0.222	0.0166	mg/kg wet	0.332		66.7	40-130				
Aroclor 1260	0.234	0.0166	"	0.332		70.3	40-130				
Surrogate: Tetrachloro-m-xylene	0.0419		"	0.0664		63.0	30-120				
Surrogate: Decachlorobiphenyl	0.0316		"	0.0664		47.5	30-120				
Matrix Spike (BH30139-MS2)	Matrix Spike	*Source sample: 23G1583-01 (Matrix Spike)					Prepared: 08/03/2023 Analyzed: 08/04/2023				
Aroclor 1016	0.0662	0.0172	mg/kg dry	0.345	ND	19.2	40-140	Low Bias			
Aroclor 1260	0.135	0.0172	"	0.345	ND	39.1	40-140	Low Bias			
Surrogate: Tetrachloro-m-xylene	0.0448		"	0.0689		65.0	30-120				
Surrogate: Decachlorobiphenyl	0.0293		"	0.0689		42.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30139 - EPA 3550C

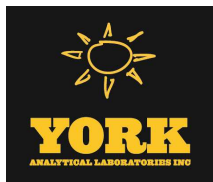
Matrix Spike Dup (BH30139-1) Matrix Spike Dup						Source sample: 23G1583-01 (Matrix Spike Dup)						Prepared: 08/03/2023 Analyzed: 08/04/2023	
Aroclor 1016	0.0973	0.0172	mg/kg dry	0.345	ND	28.2	40-140	Low Bias	38.0	50			
Aroclor 1260	0.148	0.0172	"	0.345	ND	42.9	40-140		9.27	50			
Surrogate: Tetrachloro-m-xylene	0.0421		"	0.0689		61.0	30-120						
Surrogate: Decachlorobiphenyl	0.0293		"	0.0689		42.5	30-120						



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31518 - EPA 8151A											
Blank (BG31518-BLK1)	Blank		Prepared: 07/26/2023 Analyzed: 07/28/2023								
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)	62.8		"	125		50.2	30-150				
LCS (BG31518-BS1)	LCS		Prepared: 07/26/2023 Analyzed: 07/28/2023								
2,4,5-T	26.5	5.00	ug/L	40.0		66.2	10-140				
2,4,5-TP (Silvex)	26.5	5.00	"	40.0		66.2	10-139				
2,4-D	28.8	5.00	"	40.0		71.9	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	84.2		"	125		67.4	30-150				
LCS Dup (BG31518-BSD1)	LCS Dup		Prepared: 07/26/2023 Analyzed: 07/28/2023								
2,4,5-T	19.2	5.00	ug/L	40.0		48.1	10-140		31.7	30	Non-dir.
2,4,5-TP (Silvex)	18.5	5.00	"	40.0		46.2	10-139		35.6	30	Non-dir.
2,4-D	21.0	5.00	"	40.0		52.5	10-140		31.2	30	Non-dir.
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	63.0		"	125		50.4	30-150				
Matrix Spike (BG31518-MS1)	Matrix Spike		*Source sample: 23G1300-01 (Matrix Spike)				Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	22.2	5.00	ug/L	40.0	ND	55.6	30-150				
2,4,5-TP (Silvex)	22.0	5.00	"	40.0	ND	55.0	30-150				
2,4-D	24.5	5.00	"	40.0	ND	61.2	30-150				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	75.2		"	125		60.2	30-150				
Matrix Spike Dup (BG31518-MS1)	Matrix Spike Dup		*Source sample: 23G1300-01 (Matrix Spike Dup)				Prepared: 07/26/2023 Analyzed: 07/28/2023				
2,4,5-T	21.2	5.00	ug/L	40.0	ND	53.1	30-150		4.60	30	
2,4,5-TP (Silvex)	20.5	5.00	"	40.0	ND	51.2	30-150		7.06	30	
2,4-D	23.5	5.00	"	40.0	ND	58.8	30-150		4.17	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	70.5		"	125		56.4	30-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31530 - EPA 3550C/8151A

Blank (BG31530-BLK1)	Blank		Prepared: 07/27/2023 Analyzed: 07/28/2023								
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.230 " 0.417 55.2 21-150

LCS (BG31530-BS1)	LCS		Prepared: 07/27/2023 Analyzed: 07/28/2023								
2,4,5-T	0.0758	0.0200	mg/kg wet	0.133		56.9	10-120				
2,4,5-TP (Silvex)	0.0767	0.0200	"	0.133		57.5	10-120				
2,4-D	0.0825	0.0200	"	0.133		61.9	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.242 " 0.417 58.0 21-150

Matrix Spike (BG31530-MS1)	Matrix Spike	*Source sample: 23G1112-01 (Matrix Spike)		Prepared: 07/27/2023 Analyzed: 07/28/2023							
2,4,5-T	0.0828	0.0221	mg/kg dry	0.147	ND	56.2	10-120				
2,4,5-TP (Silvex)	0.0810	0.0221	"	0.147	ND	55.0	10-120				
2,4-D	0.0948	0.0221	"	0.147	ND	64.4	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.238 " 0.460 51.8 21-150

Matrix Spike Dup (BG31530-MS1)	Matrix Spike Dup	*Source sample: 23G1112-01 (Matrix Spike Dup)		Prepared: 07/27/2023 Analyzed: 07/29/2023							
2,4,5-T	0.137	0.0221	mg/kg dry	0.147	ND	93.1	10-120	49.4	35	Non-dir.	
2,4,5-TP (Silvex)	0.133	0.0221	"	0.147	ND	90.0	10-120	48.3	35	Non-dir.	
2,4-D	0.147	0.0221	"	0.147	ND	100	10-118	43.3	35	Non-dir.	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.319 " 0.460 69.4 21-150

Batch BH30124 - EPA 3550C/8151A

Blank (BH30124-BLK1)	Blank		Prepared: 08/02/2023 Analyzed: 08/04/2023								
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) 0.330 " 0.415 79.4 21-150



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30124 - EPA 3550C/8151A

LCS (BH30124-BS1)	LCS	Prepared: 08/02/2023 Analyzed: 08/04/2023									
2,4,5-T	0.111	0.0199	mg/kg wet	0.133		83.7	10-120				
2,4,5-TP (Silvex)	0.112	0.0199	"	0.133		84.4	10-120				
2,4-D	0.115	0.0199	"	0.133		86.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.352		"	0.415		84.8	21-150				

Matrix Spike (BH30124-MS1)	Matrix Spike	*Source sample: 23G1202-07 (SB09_3-5)					Prepared: 08/02/2023 Analyzed: 08/05/2023				
2,4,5-T	0.0416	0.0213	mg/kg dry	0.142	ND	29.4	10-120				
2,4,5-TP (Silvex)	0.0460	0.0213	"	0.142	ND	32.5	10-120				
2,4-D	0.0381	0.0213	"	0.142	ND	26.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.157		"	0.443		35.4	21-150				

Matrix Spike Dup (BH30124-MS1)	Matrix Spike Dup	*Source sample: 23G1202-07 (SB09_3-5)					Prepared: 08/02/2023 Analyzed: 08/05/2023				
2,4,5-T	0.0644	0.0215	mg/kg dry	0.143	ND	45.0	10-120	43.0	35	Non-dir.	
2,4,5-TP (Silvex)	0.0698	0.0215	"	0.143	ND	48.8	10-120	41.0	35	Non-dir.	
2,4-D	0.0653	0.0215	"	0.143	ND	45.6	10-118	52.6	35	Non-dir.	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.187		"	0.447		41.8	21-150				

Batch BH30421 - EPA 3550C/8151A

Blank (BH30421-BLK1)	Blank	Prepared: 08/07/2023 Analyzed: 08/08/2023									
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)	0.440		"	0.414		106	21-150				

LCS (BH30421-BS1)	LCS	Prepared: 08/07/2023 Analyzed: 08/08/2023									
2,4,5-T	0.126	0.0199	mg/kg wet	0.132		95.0	10-120				
2,4,5-TP (Silvex)	0.122	0.0199	"	0.132		91.9	10-120				
2,4-D	0.144	0.0199	"	0.132		109	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.373		"	0.414		90.2	21-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30421 - EPA 3550C/8151A

Matrix Spike (BH30421-MS1)	Matrix Spike	*Source sample: 23H0260-07 (Matrix Spike)						Prepared: 08/07/2023 Analyzed: 08/09/2023			
2,4,5-T	0.0996	0.0213	mg/kg dry	0.142	ND	70.0	10-120				
2,4,5-TP (Silvex)	0.111	0.0213	"	0.142	ND	78.1	10-120				
2,4-D	0.112	0.0213	"	0.142	ND	78.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.401		"	0.444		90.2	21-150				
Matrix Spike Dup (BH30421-1)	Matrix Spike Dup	*Source sample: 23H0260-07 (Matrix Spike Dup)						Prepared: 08/07/2023 Analyzed: 08/09/2023			
2,4,5-T	0.0969	0.0213	mg/kg dry	0.142	ND	68.1	10-120	2.71	35		
2,4,5-TP (Silvex)	0.106	0.0213	"	0.142	ND	74.4	10-120	4.92	35		
2,4-D	0.108	0.0213	"	0.142	ND	75.6	10-118	4.05	35		
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.377		"	0.444		84.8	21-150				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31522 - EPA 3050B

Blank (BG31522-BLK1)	Blank	Prepared: 07/26/2023 Analyzed: 07/31/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

Duplicate (BG31522-DUP1)	Duplicate	*Source sample: 23G1202-06 (SB09_0-2)					Prepared: 07/26/2023 Analyzed: 07/29/2023				
Aluminum	8490	4.51	mg/kg dry		9790			14.2	35		
Antimony	ND	2.26	"		3.15				35		
Arsenic	9.30	1.35	"		13.4			35.9	35	Non-dir.	
Barium	106	2.25	"		119			11.4	35		
Beryllium	0.327	0.045	"		0.310			5.19	35		
Cadmium	ND	0.271	"		ND				35		
Calcium	70400	4.51	"		43600			47.2	35	Non-dir.	
Chromium	16.1	0.452	"		21.0			26.3	35		
Cobalt	7.52	0.361	"		9.01			18.1	35		
Copper	45.6	1.80	"		48.5			6.10	35		
Iron	16400	22.6	"		26100			46.1	35	Non-dir.	
Lead	102	0.452	"		117			13.4	35		
Magnesium	9500	4.52	"		6320			40.2	35	Non-dir.	
Manganese	354	0.452	"		651			59.1	35	Non-dir.	
Nickel	19.8	0.899	"		22.6			13.4	35		
Potassium	1340	4.52	"		1420			6.16	35		
Selenium	ND	2.26	"		ND				35		
Silver	ND	0.455	"		ND				35		
Sodium	533	45.1	"		661			21.4	35		
Thallium	6.46	2.26	"		13.9			73.2	35	Non-dir.	
Vanadium	38.5	0.899	"		45.9			17.5	35		
Zinc	107	2.25	"		125			15.7	35		



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31522 - EPA 3050B

Matrix Spike (BG31522-MS1)	Matrix Spike	*Source sample: 23G1202-06 (SB09_0-2)					Prepared: 07/26/2023 Analyzed: 07/28/2023				
Aluminum	12700	4.51	mg/kg dry	180	9790	NR	75-125	High Bias			
Antimony	7.58	2.26	"	22.6	3.15	19.6	75-125	Low Bias			
Arsenic	251	1.35	"	180	13.4	132	75-125	High Bias			
Barium	363	2.25	"	180	119	135	75-125	High Bias			
Beryllium	6.63	0.045	"	4.51	0.310	140	75-125	High Bias			
Cadmium	5.93	0.271	"	4.51	ND	131	75-125	High Bias			
Calcium	62100	4.51	"	90.2	43600	NR	75-125	High Bias			
Chromium	47.4	0.452	"	18.0	21.0	146	75-125	High Bias			
Cobalt	70.8	0.361	"	45.1	9.01	137	75-125	High Bias			
Copper	85.7	1.80	"	22.6	48.5	165	75-125	High Bias			
Iron	24800	22.6	"	90.2	26100	NR	75-125	Low Bias			
Lead	196	0.452	"	45.1	117	177	75-125	High Bias			
Magnesium	8270	4.52	"	90.2	6320	NR	75-125	High Bias			
Manganese	506	0.452	"	45.1	651	NR	75-125	Low Bias			
Nickel	91.8	0.899	"	45.1	22.6	153	75-125	High Bias			
Potassium	1960	4.52	"	90.2	1420	592	75-125	High Bias			
Selenium	159	2.26	"	180	ND	88.2	75-125				
Silver	2.02	0.455	"	4.51	ND	44.7	75-125	Low Bias			
Sodium	787	45.1	"	90.2	661	140	75-125	High Bias			
Thallium	238	2.26	"	180	13.9	124	75-125				
Vanadium	113	0.899	"	45.1	45.9	148	75-125	High Bias			
Zinc	175	2.25	"	45.1	125	109	75-125				

Post Spike (BG31522-PS1)	Post Spike	*Source sample: 23G1202-06 (SB09_0-2)					Prepared: 07/26/2023 Analyzed: 07/29/2023				
Aluminum	110		ug/mL	2.00	109	62.7	75-125	Low Bias			
Antimony	0.287		"	0.250	0.035	101	75-125				
Arsenic	2.23		"	2.00	0.148	104	75-125				
Barium	3.47		"	2.00	1.32	107	75-125				
Beryllium	0.056		"	0.0500	0.003	105	75-125				
Cadmium	0.049		"	0.0500	-0.0009	97.6	75-125				
Calcium	484		"	1.00	483	127	75-125	High Bias			
Chromium	0.446		"	0.200	0.232	107	75-125				
Cobalt	0.630		"	0.500	0.100	106	75-125				
Copper	0.814		"	0.250	0.537	111	75-125				
Iron	282		"	1.00	290	NR	75-125	Low Bias			
Lead	1.78		"	0.500	1.29	96.3	75-125				
Magnesium	69.5		"	1.00	70.0	NR	75-125	Low Bias			
Manganese	7.81		"	0.500	7.21	120	75-125				
Nickel	0.817		"	0.500	0.251	113	75-125				
Potassium	16.5		"	1.00	15.8	68.1	75-125	Low Bias			
Selenium	1.16		"	2.00	-0.548	58.2	75-125	Low Bias			
Silver	0.018		"	0.0500	-0.043	35.9	75-125	Low Bias			
Sodium	8.24		"	1.00	7.32	91.4	75-125				
Thallium	2.05		"	2.00	0.154	94.8	75-125				
Vanadium	1.04		"	0.500	0.509	105	75-125				
Zinc	1.90		"	0.500	1.39	101	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

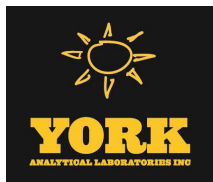
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31522 - EPA 3050B

Reference (BG31522-SRM1)	Reference	Prepared: 07/26/2023 Analyzed: 07/28/2023								
Aluminum	10800	4.17	mg/kg wet	8040	134	49.9-150.5				
Antimony	63.9	2.08	"	129	49.6	18-250.4				
Arsenic	209	1.25	"	183	114	69.9-130.1				
Barium	353	2.08	"	297	119	75.1-125.3				
Beryllium	85.7	0.042	"	78.8	109	75-124.9				
Cadmium	238	0.250	"	221	108	75.1-124.9				
Calcium	5850	4.17	"	4710	124	72.4-127.4				
Chromium	234	0.417	"	200	117	70-130				
Cobalt	112	0.333	"	97.4	115	74.9-125.3				
Copper	177	1.67	"	136	130	75-125	High Bias			
Iron	17500	20.8	"	14000	125	34.9-165.7				
Lead	299	0.417	"	257	116	73.9-126.1				
Magnesium	2840	4.17	"	2290	124	62-138.4				
Manganese	449	0.417	"	381	118	75.9-124.1				
Nickel	201	0.830	"	169	119	69.8-129.6				
Potassium	2730	4.17	"	2030	134	59.1-140.9				
Selenium	166	2.08	"	217	76.7	69.1-131.3				
Silver	78.2	0.420	"	67.8	115	70.6-129.2				
Sodium	524	41.7	"	427	123	58.3-141.9				
Thallium	97.3	2.08	"	80.5	121	65.1-135.4				
Vanadium	231	0.830	"	205	113	74.6-125.4				
Zinc	236	2.08	"	224	105	70.1-130.4				

Batch BG31544 - EPA 3015A

Blank (BG31544-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023								
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	"							



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31544 - EPA 3015A

LCS (BG31544-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Aluminum	2.26		ug/mL	2.00		113	80-120				
Barium	2.38		"	2.00		119	80-120				
Calcium	1.32		"	1.00		132	80-120	High Bias			
Chromium	0.237		"	0.200		118	80-120				
Cobalt	0.588		"	0.500		118	80-120				
Copper	0.304		"	0.250		122	80-120	High Bias			
Iron	1.26		"	1.00		126	80-120	High Bias			
Lead	0.569		"	0.500		114	80-120				
Magnesium	1.20		"	1.00		120	80-120				
Manganese	0.598		"	0.500		120	80-120				
Nickel	0.577		"	0.500		115	80-120				
Potassium	1.13		"	1.00		113	80-120				
Silver	0.0509		"	0.0500		102	80-120				
Sodium	0.938		"	1.00		93.8	80-120				
Vanadium	0.567		"	0.500		113	80-120				
Zinc	0.583		"	0.500		117	80-120				

Duplicate (BG31544-DUP1)	Duplicate	*Source sample: 23G1262-02 (Duplicate) Prepared: 07/27/2023 Analyzed: 07/29/2023									
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	0.121	0.0278	"		0.123			1.27		20	
Calcium	111	0.0556	"		114			2.98		20	
Chromium	ND	0.00556	"		0.00567					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	21.1	0.278	"		5.52			117		20	Non-dir.
Lead	ND	0.00556	"		ND					20	
Magnesium	37.8	0.0556	"		38.8			2.55		20	
Manganese	0.345	0.00556	"		0.310			10.8		20	
Nickel	ND	0.0111	"		ND					20	
Potassium	6.13	0.0556	"		6.37			3.90		20	
Silver	ND	0.00556	"		ND					20	
Sodium	26.6	0.556	"		27.5			3.21		20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		0.0343					20	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31544 - EPA 3015A

Matrix Spike (BG31544-MS1)	Matrix Spike	*Source sample: 23G1262-02 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/29/2023			
Aluminum	2.40	0.0556	mg/L	2.22	ND	108	75-125				
Barium	2.73	0.0278	"	2.22	0.123	118	75-125				
Calcium	114	0.0556	"	1.11	114	NR	75-125	Low Bias			
Chromium	0.253	0.00556	"	0.222	0.00567	111	75-125				
Cobalt	0.610	0.00444	"	0.556	ND	110	75-125				
Copper	0.313	0.0222	"	0.278	ND	113	75-125				
Iron	17.1	0.278	"	1.11	5.52	NR	75-125	High Bias			
Lead	0.584	0.00556	"	0.556	ND	105	75-125				
Magnesium	39.7	0.0556	"	1.11	38.8	85.0	75-125				
Manganese	0.997	0.00556	"	0.556	0.310	124	75-125				
Nickel	0.597	0.0111	"	0.556	ND	107	75-125				
Potassium	7.54	0.0556	"	1.11	6.37	105	75-125				
Silver	0.0606	0.00556	"	0.0556	ND	109	75-125				
Sodium	28.1	0.556	"	1.11	27.5	55.3	75-125	Low Bias			
Vanadium	0.620	0.0111	"	0.556	ND	112	75-125				
Zinc	0.669	0.0278	"	0.556	0.0343	114	75-125				

Post Spike (BG31544-PS1)	Post Spike	*Source sample: 23G1262-02 (Post Spike)						Prepared: 07/27/2023 Analyzed: 07/29/2023			
Aluminum	0.757		ug/mL	2.00	0.0323	36.2	75-125	Low Bias			
Barium	0.885		"	2.00	0.110	38.7	75-125	Low Bias			
Calcium	102		"	1.00	103	NR	75-125	Low Bias			
Chromium	0.0778		"	0.200	0.00510	36.3	75-125	Low Bias			
Cobalt	0.185		"	0.500	0.000652	36.8	75-125	Low Bias			
Copper	0.0945		"	0.250	0.00433	36.1	75-125	Low Bias			
Iron	5.42		"	1.00	4.97	45.1	75-125	Low Bias			
Lead	0.175		"	0.500	-0.00436	35.0	75-125	Low Bias			
Magnesium	35.8		"	1.00	34.9	94.4	75-125				
Manganese	0.469		"	0.500	0.279	38.1	75-125	Low Bias			
Nickel	0.172		"	0.500	-0.00926	34.5	75-125	Low Bias			
Potassium	6.25		"	1.00	5.73	51.2	75-125	Low Bias			
Silver	0.0216		"	0.0500	-0.00120	43.2	75-125	Low Bias			
Sodium	24.8		"	1.00	24.7	1.47	75-125	Low Bias			
Vanadium	0.183		"	0.500	0.000176	36.6	75-125	Low Bias			
Zinc	0.218		"	0.500	0.0309	37.5	75-125	Low Bias			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31576 - EPA 3050B

Blank (BG31576-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	15.4	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

Duplicate (BG31576-DUP1)	Duplicate	*Source sample: 23G1297-06 (Duplicate)					Prepared: 07/27/2023 Analyzed: 07/28/2023				
Aluminum	10900	4.60	mg/kg dry		10900			0.134		35	
Antimony	ND	2.30	"		ND					35	
Arsenic	11.0	1.38	"		9.11			18.8		35	
Barium	64.2	2.30	"		64.9			1.17		35	
Beryllium	0.072	0.046	"		0.073			2.55		35	
Cadmium	ND	0.276	"		ND					35	
Calcium	41600	4.60	"		43100			3.50		35	
Chromium	23.2	0.461	"		22.9			1.40		35	
Cobalt	6.62	0.368	"		7.37			10.8		35	
Copper	22.4	1.84	"		22.6			1.01		35	
Iron	16000	23.0	"		17400			8.68		35	
Lead	43.4	0.461	"		45.3			4.38		35	
Magnesium	7040	4.61	"		6820			3.12		35	
Manganese	318	0.461	"		299			6.17		35	
Nickel	17.6	0.917	"		18.8			6.55		35	
Potassium	1300	4.61	"		1320			1.53		35	
Selenium	ND	2.30	"		ND					35	
Silver	ND	0.464	"		ND					35	
Sodium	591	46.0	"		630			6.38		35	
Thallium	8.17	2.30	"		6.98			15.6		35	
Vanadium	31.8	0.917	"		32.4			1.89		35	
Zinc	44.8	2.29	"		65.5			37.4		35	Non-dir.



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31576 - EPA 3050B

Matrix Spike (BG31576-MS1)	Matrix Spike	*Source sample: 23G1297-06 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
Aluminum	11100	4.60	mg/kg dry	184	10900	102	75-125	Low Bias			
Antimony	7.79	2.30	"	23.0	ND	33.8	75-125				
Arsenic	230	1.38	"	184	9.11	120	75-125				
Barium	292	2.30	"	184	64.9	123	75-125				
Beryllium	5.47	0.046	"	4.60	0.073	117	75-125	Low Bias			
Cadmium	5.28	0.276	"	4.60	ND	115	75-125				
Calcium	43000	4.60	"	92.1	43100	NR	75-125				
Chromium	44.8	0.461	"	18.4	22.9	119	75-125				
Cobalt	61.6	0.368	"	46.0	7.37	118	75-125	High Bias			
Copper	51.6	1.84	"	23.0	22.6	126	75-125				
Iron	16300	23.0	"	92.1	17400	NR	75-125				
Lead	146	0.461	"	46.0	45.3	220	75-125				
Magnesium	6210	4.61	"	92.1	6820	NR	75-125	Low Bias			
Manganese	349	0.461	"	46.0	299	108	75-125				
Nickel	71.6	0.917	"	46.0	18.8	115	75-125				
Potassium	1470	4.61	"	92.1	1320	160	75-125				
Selenium	162	2.30	"	184	ND	87.9	75-125	Low Bias			
Silver	ND	0.464	"	4.60	ND		75-125				
Sodium	685	46.0	"	92.1	630	59.8	75-125				
Thallium	225	2.30	"	184	6.98	119	75-125				
Vanadium	84.1	0.917	"	46.0	32.4	112	75-125	Low Bias			
Zinc	99.6	2.29	"	46.0	65.5	74.2	75-125				

Post Spike (BG31576-PS1)	Post Spike	*Source sample: 23G1297-06 (Post Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
Aluminum	117		ug/mL	2.00	118	NR	75-125	Low Bias			
Antimony	0.261		"	0.250	0.010	100	75-125				
Arsenic	2.31		"	2.00	0.099	110	75-125				
Barium	2.92		"	2.00	0.705	111	75-125				
Beryllium	0.054		"	0.0500	0.0008	106	75-125	Low Bias			
Cadmium	0.052		"	0.0500	-0.0007	105	75-125				
Calcium	457		"	1.00	468	NR	75-125				
Chromium	0.459		"	0.200	0.248	105	75-125				
Cobalt	0.620		"	0.500	0.080	108	75-125	Low Bias			
Copper	0.535		"	0.250	0.245	116	75-125				
Iron	189		"	1.00	189	NR	75-125				
Lead	1.00		"	0.500	0.492	102	75-125				
Magnesium	74.3		"	1.00	74.1	25.9	75-125	Low Bias			
Manganese	3.75		"	0.500	3.25	100	75-125				
Nickel	0.743		"	0.500	0.205	108	75-125				
Potassium	15.4		"	1.00	14.3	111	75-125				
Selenium	1.56		"	2.00	-0.202	78.0	75-125	Low Bias			
Silver	0.0007		"	0.0500	-0.063	1.35	75-125				
Sodium	7.98		"	1.00	6.84	114	75-125				
Thallium	2.25		"	2.00	0.076	109	75-125				
Vanadium	0.902		"	0.500	0.352	110	75-125	Low Bias			
Zinc	1.21		"	0.500	0.711	101	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31576 - EPA 3050B

Reference (BG31576-SRM1)	Reference	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Aluminum	9680	4.17	mg/kg wet	8040		120	49.9-150.5				
Antimony	61.8	2.08	"	129		47.9	18-250.4				
Arsenic	208	1.25	"	183		114	69.9-130.1				
Barium	351	2.08	"	297		118	75.1-125.3				
Beryllium	86.2	0.042	"	78.8		109	75-124.9				
Cadmium	245	0.250	"	221		111	75.1-124.9				
Calcium	5560	4.17	"	4710		118	72.4-127.4				
Chromium	236	0.417	"	200		118	70-130				
Cobalt	114	0.333	"	97.4		117	74.9-125.3				
Copper	175	1.67	"	136		129	75-125	High Bias			
Iron	16300	20.8	"	14000		117	34.9-165.7				
Lead	288	0.417	"	257		112	73.9-126.1				
Magnesium	2680	4.17	"	2290		117	62-138.4				
Manganese	437	0.417	"	381		115	75.9-124.1				
Nickel	205	0.830	"	169		121	69.8-129.6				
Potassium	2460	4.17	"	2030		121	59.1-140.9				
Selenium	171	2.08	"	217		79.0	69.1-131.3				
Silver	75.9	0.420	"	67.8		112	70.6-129.2				
Sodium	481	41.7	"	427		113	58.3-141.9				
Thallium	95.5	2.08	"	80.5		119	65.1-135.4				
Vanadium	226	0.830	"	205		110	74.6-125.4				
Zinc	247	2.08	"	224		110	70.1-130.4				

Batch BH30315 - EPA 3050B

Blank (BH30315-BLK1)	Blank	Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Duplicate (BH30315-DUP1)	Duplicate	*Source sample: 23H0025-06 (Duplicate)				Prepared: 08/04/2023 Analyzed: 08/09/2023					
Aluminum	717	4.52	mg/kg dry	7230					164	35	Non-dir.
Antimony	ND	2.26	"	5.86						35	
Arsenic	ND	1.36	"	8.41						35	
Barium	4.63	2.26	"	39.7					158	35	Non-dir.
Beryllium	ND	0.046	"	0.090						35	
Cadmium	ND	0.271	"	ND						35	
Calcium	240	4.52	"	4130					178	35	Non-dir.
Chromium	2.34	0.452	"	13.1					139	35	Non-dir.
Cobalt	0.612	0.361	"	5.85					162	35	Non-dir.
Copper	ND	1.81	"	17.4						35	
Iron	1380	22.6	"	12000					159	35	Non-dir.
Lead	1.68	0.452	"	37.4					183	35	Non-dir.
Magnesium	207	4.52	"	3740					179	35	Non-dir.
Manganese	15.6	0.452	"	194					170	35	Non-dir.
Nickel	ND	0.900	"	14.0						35	
Potassium	127	4.52	"	907					151	35	Non-dir.
Selenium	ND	2.26	"	ND						35	
Silver	ND	0.455	"	ND						35	
Sodium	ND	45.2	"	409						35	
Thallium	ND	2.26	"	6.00						35	
Vanadium	2.56	0.900	"	20.3					155	35	Non-dir.
Zinc	3.78	2.25	"	47.9					171	35	Non-dir.

Matrix Spike (BH30315-MS1)	Matrix Spike	*Source sample: 23H0025-06 (Matrix Spike)				Prepared: 08/04/2023 Analyzed: 08/09/2023					
Aluminum	913	4.52	mg/kg dry	181	7230	NR	75-125	Low Bias			
Antimony	16.2	2.26	"	22.6	5.86	45.5	75-125	Low Bias			
Arsenic	192	1.36	"	181	8.41	102	75-125				
Barium	207	2.26	"	181	39.7	92.5	75-125				
Beryllium	4.88	0.046	"	4.52	0.090	106	75-125				
Cadmium	4.74	0.271	"	4.52	ND	105	75-125				
Calcium	312	4.52	"	90.4	4130	NR	75-125	Low Bias			
Chromium	22.8	0.452	"	18.1	13.1	53.5	75-125	Low Bias			
Cobalt	50.9	0.361	"	45.2	5.85	99.6	75-125				
Copper	27.9	1.81	"	22.6	17.4	46.7	75-125	Low Bias			
Iron	1610	22.6	"	90.4	12000	NR	75-125	Low Bias			
Lead	50.5	0.452	"	45.2	37.4	29.0	75-125	Low Bias			
Magnesium	312	4.52	"	90.4	3740	NR	75-125	Low Bias			
Manganese	66.4	0.452	"	45.2	194	NR	75-125	Low Bias			
Nickel	50.6	0.900	"	45.2	14.0	81.2	75-125				
Potassium	216	4.52	"	90.4	907	NR	75-125	Low Bias			
Selenium	134	2.26	"	181	ND	74.0	75-125	Low Bias			
Silver	4.01	0.455	"	4.52	ND	88.7	75-125				
Sodium	104	45.2	"	90.4	409	NR	75-125	Low Bias			
Thallium	188	2.26	"	181	6.00	101	75-125				
Vanadium	51.6	0.900	"	45.2	20.3	69.3	75-125	Low Bias			
Zinc	51.5	2.25	"	45.2	47.9	7.81	75-125	Low Bias			



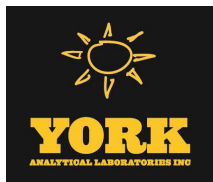
Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Post Spike (BH30315-PS1)	Post Spike	*Source sample: 23H0025-06 (Post Spike)						Prepared: 08/04/2023 Analyzed: 08/09/2023			
Aluminum	744	4.52	mg/kg dry	181	7230	NR	75-125	Low Bias			
Antimony	22.2	2.26	"	22.6	5.86	72.5	75-125	Low Bias			
Arsenic	186	1.36	"	181	8.41	98.5	75-125				
Barium	192	2.26	"	181	39.7	84.4	75-125				
Beryllium	4.53	0.046	"	4.52	0.090	98.2	75-125				
Cadmium	4.55	0.271	"	4.52	ND	101	75-125				
Calcium	279	4.52	"	90.4	4130	NR	75-125	Low Bias			
Chromium	19.9	0.452	"	18.1	13.1	37.6	75-125	Low Bias			
Cobalt	47.4	0.361	"	45.2	5.85	91.9	75-125				
Copper	27.1	1.81	"	22.6	17.4	43.2	75-125	Low Bias			
Iron	1350	22.6	"	90.4	12000	NR	75-125	Low Bias			
Lead	48.0	0.452	"	45.2	37.4	23.6	75-125	Low Bias			
Magnesium	264	4.52	"	90.4	3740	NR	75-125	Low Bias			
Manganese	72.8	0.452	"	45.2	194	NR	75-125	Low Bias			
Nickel	48.1	0.900	"	45.2	14.0	75.7	75-125				
Potassium	183	4.52	"	90.4	907	NR	75-125	Low Bias			
Selenium	130	2.26	"	181	ND	72.0	75-125	Low Bias			
Silver	4.10	0.455	"	4.52	ND	90.7	75-125				
Sodium	101	45.2	"	90.4	409	NR	75-125	Low Bias			
Thallium	182	2.26	"	181	6.00	97.6	75-125				
Vanadium	47.7	0.900	"	45.2	20.3	60.8	75-125	Low Bias			
Zinc	51.1	2.25	"	45.2	47.9	6.99	75-125	Low Bias			

Reference (BH30315-SRM1)	Reference	Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	8660	4.17	mg/kg wet	8040		108	49.9-150.5				
Antimony	55.9	2.08	"	129		43.3	18-250.4				
Arsenic	191	1.25	"	183		104	69.9-130.1				
Barium	314	2.08	"	297		106	75.1-125.3				
Beryllium	74.7	0.042	"	78.8		94.8	75-124.9				
Cadmium	215	0.250	"	221		97.2	75.1-124.9				
Calcium	4720	4.17	"	4710		100	72.4-127.4				
Chromium	203	0.417	"	200		101	70-130				
Cobalt	99.8	0.333	"	97.4		102	74.9-125.3				
Copper	150	1.67	"	136		110	75-125				
Iron	13500	20.8	"	14000		96.6	34.9-165.7				
Lead	252	0.417	"	257		98.0	73.9-126.1				
Magnesium	2330	4.17	"	2290		102	62-138.4				
Manganese	385	0.417	"	381		101	75.9-124.1				
Nickel	183	0.830	"	169		108	69.8-129.6				
Potassium	2180	4.17	"	2030		107	59.1-140.9				
Selenium	130	2.08	"	217		60.1	69.1-131.3	Low Bias			
Silver	63.5	0.420	"	67.8		93.7	70.6-129.2				
Sodium	425	41.7	"	427		99.4	58.3-141.9				
Thallium	82.5	2.08	"	80.5		102	65.1-135.4				
Vanadium	201	0.830	"	205		98.1	74.6-125.4				
Zinc	221	2.08	"	224		98.6	70.1-130.4				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31477 - EPA 3015A

Blank (BG31477-BLK1) Blank Prepared: 07/26/2023 Analyzed: 07/27/2023

Antimony	ND	0.00100	mg/L
Arsenic	ND	0.00100	"
Beryllium	ND	0.000300	"
Cadmium	ND	0.000500	"
Selenium	0.00172	0.00100	"
Thallium	ND	0.00100	"

LCS (BG31477-BS1) LCS Prepared: 07/26/2023 Analyzed: 07/27/2023

Antimony	44.1	ug/L	50.0	88.2	80-120
Arsenic	53.1	"	50.0	106	80-120
Beryllium	51.4	"	50.0	103	80-120
Cadmium	42.7	"	50.0	85.4	80-120
Selenium	57.6	"	50.0	115	80-120
Thallium	59.9	"	50.0	120	80-120

Duplicate (BG31477-DUP1) Duplicate *Source sample: 23G1202-12 (FB02_072023) Prepared: 07/26/2023 Analyzed: 07/27/2023

Antimony	ND	0.00100	mg/L	ND	20
Arsenic	ND	0.00100	"	ND	20
Beryllium	ND	0.000300	"	ND	20
Cadmium	ND	0.000500	"	ND	20
Selenium	0.00398	0.00100	"	ND	20
Thallium	ND	0.00100	"	ND	20

Matrix Spike (BG31477-MS1) Matrix Spike *Source sample: 23G1202-12 (FB02_072023) Prepared: 07/26/2023 Analyzed: 07/27/2023

Antimony	45.5	ug/L	50.0	-0.013	91.0	75-125
Arsenic	51.7	"	50.0	0.059	103	75-125
Beryllium	49.6	"	50.0	0.002	99.3	75-125
Cadmium	43.8	"	50.0	0.044	87.6	75-125
Selenium	58.2	"	50.0	0.320	116	75-125
Thallium	54.8	"	50.0	-0.009	110	75-125



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31581 - EPA 7473 soil											
Blank (BG31581-BLK1)	Blank								Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BG31581-DUP1)	Duplicate	*Source sample: 23G1157-01 (Duplicate)							Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	ND	0.0322	mg/kg dry		ND					35	
Matrix Spike (BG31581-MS1)	Matrix Spike	*Source sample: 23G1157-01 (Matrix Spike)							Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	0.438		mg/kg	0.500	0.00570	86.6	75-125				
Reference (BG31581-SRM1)	Reference								Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	23.663		mg/kg	27.2		87.0	59.9-140.1				
Batch BG31638 - EPA SW846-7470A											
Blank (BG31638-BLK1)	Blank								Prepared & Analyzed: 07/28/2023		
Mercury	ND	0.0002	mg/L								
Blank (BG31638-BLK2)	Blank								Prepared & Analyzed: 07/28/2023		
Mercury	ND	0.0002	mg/L								
LCS (BG31638-BS1)	LCS								Prepared & Analyzed: 07/28/2023		
Mercury	0.0018517	0.0002	mg/L	0.00200		92.6	80-120				
LCS (BG31638-BS2)	LCS								Prepared & Analyzed: 07/28/2023		
Mercury	0.0018880	0.0002	mg/L	0.00200		94.4	80-120				
Batch BH30541 - EPA 7473 soil											
Blank (BH30541-BLK1)	Blank								Prepared: 08/08/2023	Analyzed: 08/09/2023	
Mercury	ND	0.0300	mg/kg wet								



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

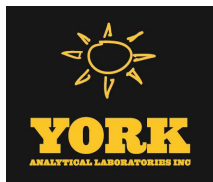
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30541 - EPA 7473 soil											
Duplicate (BH30541-DUP1)	Duplicate	*Source sample: 23G1202-03 (SB11_7-9)						Prepared: 08/08/2023 Analyzed: 08/09/2023			
Mercury	0.0670	0.0354	mg/kg dry		0.0697				3.98	35	
Matrix Spike (BH30541-MS1)	Matrix Spike	*Source sample: 23G1202-03 (SB11_7-9)						Prepared: 08/08/2023 Analyzed: 08/09/2023			
Mercury	0.494		mg/kg	0.500	0.0590	86.9	75-125				
Reference (BH30541-SRM1)	Reference							Prepared: 08/08/2023 Analyzed: 08/09/2023			
Mercury	25.429		mg/kg	27.2		93.5	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31182 - Analysis Preparation											
Blank (BG31182-BLK1)	Blank								Prepared & Analyzed: 07/20/2023		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BG31182-BS1)	LCS								Prepared & Analyzed: 07/20/2023		
Chromium, Hexavalent	0.497	0.0100	mg/L	0.500		99.4	85-115				
Matrix Spike (BG31182-MS1)	Matrix Spike	*Source sample: 23G1194-02 (Matrix Spike)							Prepared & Analyzed: 07/20/2023		
Chromium, Hexavalent	0.541	0.0100	mg/L	0.500	ND	108	85-115				
Batch BG31465 - EPA SW846-3060											
Blank (BG31465-BLK1)	Blank								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BG31465-DUP1)	Duplicate	*Source sample: 23G1101-13 (Duplicate)							Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	ND	0.537	mg/kg dry		ND					35	
Matrix Spike (BG31465-MS1)	Matrix Spike	*Source sample: 23G1101-13 (Matrix Spike)							Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	21.8	0.537	mg/kg dry	21.5	ND	101	75-125				
Matrix Spike Dup (BG31465-MS1)	Matrix Spike Dup	*Source sample: 23G1101-13 (Matrix Spike Dup)							Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	19.0	0.537	mg/kg dry	21.5	ND	88.4	75-125		13.7	200	
Reference (BG31465-SRM1)	Reference								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	244		mg/L	227		107	42.3-157.7				
Batch BG31505 - Analysis Preparation											
Blank (BG31505-BLK1)	Blank								Prepared & Analyzed: 07/26/2023		
Cyanide, total	ND	0.0100	mg/L								



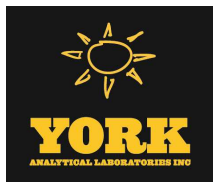
Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31505 - Analysis Preparation											
LCS (BG31505-BS1)	LCS								Prepared & Analyzed: 07/26/2023		
Cyanide, total	0.179	0.0100	mg/L	0.200		89.5	80-120				
Duplicate (BG31505-DUP1)	Duplicate	*Source sample: 23G1124-01 (Duplicate)							Prepared & Analyzed: 07/26/2023		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BG31505-MS1)	Matrix Spike	*Source sample: 23G1124-01 (Matrix Spike)							Prepared & Analyzed: 07/26/2023		
Cyanide, total	ND	0.0100	mg/L	0.200	ND		79-105	Low Bias			
Matrix Spike Dup (BG31505-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1124-01 (Matrix Spike Dup)							Prepared & Analyzed: 07/26/2023		
Cyanide, total	ND	0.0100	mg/L	0.200	ND		79-105	Low Bias		200	
Batch BG31506 - Analysis Preparation Soil											
Blank (BG31506-BLK1)	Blank								Prepared: 07/26/2023 Analyzed: 07/27/2023		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BG31506-DUP1)	Duplicate	*Source sample: 23G1112-01 (Duplicate)							Prepared: 07/26/2023 Analyzed: 07/27/2023		
Cyanide, total	ND	0.552	mg/kg dry		ND					15	
Matrix Spike (BG31506-MS1)	Matrix Spike	*Source sample: 23G1112-01 (Matrix Spike)							Prepared: 07/26/2023 Analyzed: 07/27/2023		
Cyanide, total	10.4	0.552	mg/kg dry	11.0	ND	94.0	79.6-107				
Matrix Spike Dup (BG31506-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1112-01 (Matrix Spike Dup)							Prepared: 07/26/2023 Analyzed: 07/27/2023		
Cyanide, total	9.28	0.552	mg/kg dry	11.0	ND	84.0	79.6-107		11.2	200	
Reference (BG31506-SRM1)	Reference								Prepared: 07/26/2023 Analyzed: 07/27/2023		
Cyanide, total	167		ug/mL	131		127	44.4-156.5				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31514 - EPA SW846-3060											
Blank (BG31514-BLK1)	Blank		Prepared & Analyzed: 07/26/2023								
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BG31514-DUP1)	Duplicate	*Source sample: 23G1204-01 (Duplicate)		Prepared & Analyzed: 07/26/2023							
Chromium, Hexavalent	ND	0.522	mg/kg dry		ND					35	
Matrix Spike (BG31514-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)		Prepared & Analyzed: 07/26/2023							
Chromium, Hexavalent	20.7	0.522	mg/kg dry	20.9	ND	99.4	75-125				
Matrix Spike Dup (BG31514-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1204-01 (Matrix Spike Dup)		Prepared & Analyzed: 07/26/2023							
Chromium, Hexavalent	19.8	0.522	mg/kg dry	20.9	ND	95.0	75-125		4.53	200	
Reference (BG31514-SRM1)	Reference		Prepared & Analyzed: 07/26/2023								
Chromium, Hexavalent	283		mg/L	227		125	42.3-157.7				
Batch BH30182 - Analysis Preparation Soil											
Blank (BH30182-BLK1)	Blank		Prepared & Analyzed: 08/03/2023								
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BH30182-DUP1)	Duplicate	*Source sample: 23G1621-01 (Duplicate)		Prepared & Analyzed: 08/03/2023							
Cyanide, total	ND	0.566	mg/kg dry		ND					15	
Matrix Spike (BH30182-MS1)	Matrix Spike	*Source sample: 23G1621-01 (Matrix Spike)		Prepared & Analyzed: 08/03/2023							
Cyanide, total	7.87	0.566	mg/kg dry	11.3	ND	69.5	79.6-107	Low Bias			
Matrix Spike Dup (BH30182-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1621-01 (Matrix Spike Dup)		Prepared & Analyzed: 08/03/2023							
Cyanide, total	8.55	0.566	mg/kg dry	11.3	ND	75.5	79.6-107	Low Bias	8.28	200	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30182 - Analysis Preparation Soil

Reference (BH30182-SRM1)	Reference								Prepared & Analyzed: 08/03/2023		
Cyanide, total	149		ug/mL	131		114	44.4-156.5				

Batch BH30314 - EPA SW846-3060

Blank (BH30314-BLK1)	Blank								Prepared & Analyzed: 08/04/2023		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BH30314-DUP1)	Duplicate	*Source sample: 23H0140-06 (Duplicate)							Prepared & Analyzed: 08/04/2023		
Chromium, Hexavalent	ND	0.552	mg/kg dry		ND					35	
Matrix Spike (BH30314-MS1)	Matrix Spike	*Source sample: 23H0140-06 (Matrix Spike)							Prepared & Analyzed: 08/04/2023		
Chromium, Hexavalent	ND	0.552	mg/kg dry	22.1	ND		75-125	Low Bias			
Matrix Spike Dup (BH30314-MS1-DUP)	Matrix Spike Dup	*Source sample: 23H0140-06 (Matrix Spike Dup)							Prepared & Analyzed: 08/04/2023		
Chromium, Hexavalent	ND	0.552	mg/kg dry	22.1	ND		75-125	Low Bias		200	
Reference (BH30314-SRM1)	Reference								Prepared & Analyzed: 08/04/2023		
Chromium, Hexavalent	278		mg/L	227		122	42.3-157.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BG31445 - % Solids Prep

Duplicate (BG31445-DUP1)	Duplicate	*Source sample: 23G1210-08 (Duplicate)					Prepared & Analyzed: 07/26/2023		
% Solids		88.8	0.100	%		89.5		0.766	20

Batch BH30252 - % Solids Prep

Duplicate (BH30252-DUP1)	Duplicate	*Source sample: 23H0281-11 (Duplicate)					Prepared & Analyzed: 08/04/2023		
% Solids		88.1	0.100	%		87.9		0.233	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1202-02	SB11_3-5	40mL Vial with Stir Bar-Cool 4° C
23G1202-03	SB11_7-9	40mL Vial with Stir Bar-Cool 4° C
23G1202-04	SB10_1-3	40mL Vial with Stir Bar-Cool 4° C
23G1202-05	SB10_5-7	40mL Vial with Stir Bar-Cool 4° C
23G1202-06	SB09_0-2	40mL Vial with Stir Bar-Cool 4° C
23G1202-07	SB09_3-5	40mL Vial with Stir Bar-Cool 4° C
23G1202-09	DUP02_072023	40mL Vial with Stir Bar-Cool 4° C
23G1202-11	TB03_072023	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1202-12	FB02_072023	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

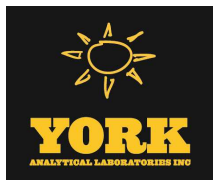


Sample and Data Qualifiers Relating to This Work Order

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.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
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.
VOA-HDSP	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).-NON-COMPLIANT
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.
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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-08	The recovery of this surrogate was outside of QC limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.

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 SVOA QC data.



YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470		www.yorklab.com 800-306-YORK		client-services@yorklab.com	
YOUR Information		Report To:		Invoice To:	
Company: Langan	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME
Address: 300 Kimball Ave, Parsippany NJ 07054	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME
Phone: 973 560 4900	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME
Contact: Amanda Forsburg	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME
E-mail: Aforsburg@langan.com	E-mail: nhadom@langan.com	E-mail: nhadom@langan.com	E-mail: nhadom@langan.com	E-mail: nhadom@langan.com	E-mail: nhadom@langan.com
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)		Nick Hadom <i>NH</i>	
Sample Identification		Sample Matrix		Date/Time Sampled	
SB11-0-2	HOLD	S	07/20/23	0730	NYDEC Part 375-Specific
SB11-3-5	RUN				VOCs, SVOCs, TAL Metals, Hex
SB11-7-9	HOLD				Chromium, Invalent Chromium, Cyanide, PCBs, herbicides, pesticides, PFAS, 1,4-Dioxin, TELP Metals
SB10-1-3	RUN				
SB10-5-7	HOLD				
SB09-0-2	RUN				
SB09-3-5	HOLD				
SB09-7-9	RUN				
DUP02-072023	RUN				
EB03-072023	RUN	EB	07/20/23	1230	PFAS
Comments: HOLD TELP Metals for All samples.		Preservation: (check all that apply)		Special Instruction	
		HCl ☒ MeOH ☒ HNO3 ☒ H2SO4 ☒ NaOH ☒		Field Filtered	
		ZnAc ☐ Ascorbic Acid ☐ Other: ☐		Lab to Filter	
1. Samples Relinquished by / Company		2. Samples Relinquished by / Company		3. Samples Received by / Company	
Date/Time: 07/20/23 1500		Date/Time: 7/20 1500		Date/Time: 7/20 1500	
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
4. Samples Relinquished by / Company		5. Samples Received by / Company		6. Samples Received by / Company	
Date/Time: 7/20/23 2030		Date/Time: 7/20/23 2030		Date/Time: 7/20/23 2030	
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Temperature: 44		Temperature: 44		Temperature: 44	



YORK Project No.

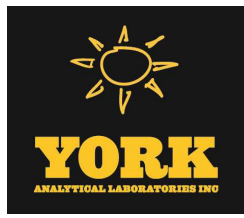
2361202

Page 2 of 2

Your signature binds you to YORK's Standard Terms & Conditions.

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800-306-YORK

[illegible]



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 08/09/2023

Client Project ID: 100964201

York Project (SDG) No.: 23G1244

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

Report Date: 08/09/2023
Client Project ID: 100964201
York Project (SDG) No.: 23G1244

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

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 July 20, 2023 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1244-01	TB02_071923	Water	07/19/2023	07/20/2023
23G1244-02	EB02_071923	Water	07/19/2023	07/20/2023
23G1244-03	SB05_1-3	Soil	07/19/2023	07/20/2023
23G1244-04	SB05_6-8	Soil	07/19/2023	07/20/2023
23G1244-05	SB07_1-3	Soil	07/19/2023	07/20/2023
23G1244-06	SB07_3-5	Soil	07/19/2023	07/20/2023
23G1244-07	SB07_8-10	Soil	07/19/2023	07/20/2023
23G1244-08	SB08_1-3	Soil	07/19/2023	07/20/2023
23G1244-09	SB08_3-5	Soil	07/19/2023	07/20/2023
23G1244-10	SB08_7-9	Soil	07/19/2023	07/20/2023

General Notes for York Project (SDG) No.: 23G1244

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



Cassie L. Mosher
Laboratory Manager

Date: 08/09/2023





Sample Information

Client Sample ID: TB02_071923

York Sample ID: 23G1244-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Water

July 19, 2023 2:30 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 06:45	07/26/2023 17:58	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG



Sample Information

Client Sample ID: TB02_071923

York Sample ID: 23G1244-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Water

July 19, 2023 2:30 pm

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
67-64-1	Acetone	7.17	CCVE, B	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG





Sample Information

Client Sample ID: TB02_071923

York Sample ID: 23G1244-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Water

July 19, 2023 2:30 pm

07/20/2023

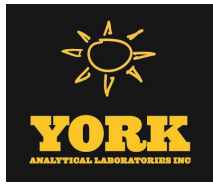
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
75-09-2	Methylene chloride	0.870		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG



Sample Information

Client Sample ID: TB02_071923

York Sample ID: 23G1244-01

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 19, 2023 2:30 pm

Date Received

07/20/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.750	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 06:45	07/26/2023 17:58	JTG
75-01-4	Vinyl Chloride	ND	CCVE	ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 06:45	07/26/2023 17:58	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 06:45	07/26/2023 17:58	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	91.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.4 %	79-122								



Sample Information

Client Sample ID: EB02_071923

York Sample ID: 23G1244-02

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 19, 2023 7:30 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.467	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.348	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.706	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.676	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.418	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.815	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.517	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.746	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.736	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.686	1.99	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.786	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.02	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.229	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.905	1.90	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.31	1.92	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.05	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.04	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.328	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ



Sample Information

Client Sample ID: EB02_071923

York Sample ID: 23G1244-02

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 19, 2023 7:30 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.497	3.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.13	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.249	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.368	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.756	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.78	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.21	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.37	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.696	7.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
919005-14-4	ADONA	ND		ng/L	0.527	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/26/2023 17:25	07/27/2023 20:41	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.925	1.93	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.855	1.91	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.02	4.97	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.29	24.9	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.42	24.9	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.57	1.99	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.79	1.99	1	EPA 1633 Draft 3 Certifications:	07/26/2023 17:25	07/27/2023 20:41	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		142 %	25-150								
Surrogate: M5PFHxA		139 %	25-150								
Surrogate: M4PFHpA		124 %	25-150								
Surrogate: M3PFHxS		139 %	25-150								



Sample Information

Client Sample ID: EB02_071923

York Sample ID: 23G1244-02

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 19, 2023 7:30 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	115 %			25-150						
	Surrogate: M6PFDA	95.4 %			25-150						
	Surrogate: M7PFUdA	68.1 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	66.1 %			25-150						
	Surrogate: M2PFTeDA	35.2 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	19.6 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	130 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	130 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	137 %			10-150						
	Surrogate: d3-N-MeFOSAA	94.4 %			25-150						
	Surrogate: d5-N-EtFOSAA	104 %			25-150						
	Surrogate: M2-6:2 FTS	101 %			25-200						
	Surrogate: M2-8:2 FTS	97.0 %			25-200						
	Surrogate: M9PFNA	163 %			25-150						
	Surrogate: M2-4:2 FTS	117 %			25-150						
	Surrogate: d-N-MeFOSA	103 %			25-150						
	Surrogate: d-N-EtFOSA	70.1 %			25-150						
	Surrogate: M3HFPO-DA	133 %			25-150						
	Surrogate: d9-N-EtFOSE	44.8 %			25-150						
	Surrogate: d7-N-MeFOSE	60.8 %			25-150						



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

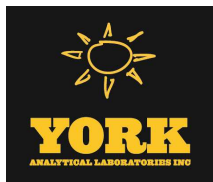
VOA, 8260 MASTER

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	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:22	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:22	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

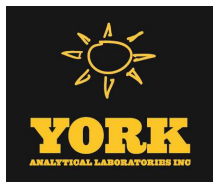
VOA, 8260 MASTER

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	0.041	0.082	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:22	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
67-64-1	Acetone	0.019		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

VOA, 8260 MASTER

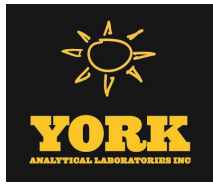
Log-in Notes:

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	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC





Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

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Collection Date/Time

July 19, 2023 9:30 am

Date Received

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:22	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:22	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:22	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
95-50-1	1,2-Dichlorobenzene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
541-73-1	1,3-Dichlorobenzene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
106-46-7	1,4-Dichlorobenzene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

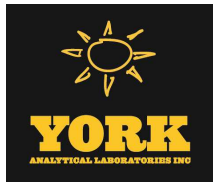
SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
95-95-4	2,4,5-Trichlorophenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
88-06-2	2,4,6-Trichlorophenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
120-83-2	2,4-Dichlorophenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
105-67-9	2,4-Dimethylphenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
51-28-5	2,4-Dinitrophenol	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
121-14-2	2,4-Dinitrotoluene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
606-20-2	2,6-Dinitrotoluene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
91-58-7	2-Chloronaphthalene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
95-57-8	2-Chlorophenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
91-57-6	2-Methylnaphthalene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
95-48-7	2-Methylphenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
88-74-4	2-Nitroaniline	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
88-75-5	2-Nitrophenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
65794-96-9	3- & 4-Methylphenols	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
91-94-1	3,3-Dichlorobenzidine	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
99-09-2	3-Nitroaniline	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
59-50-7	4-Chloro-3-methylphenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
106-47-8	4-Chloroaniline	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 9:30 am

Date Received

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
100-02-7	4-Nitrophenol	ND	CCVE, HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
83-32-9	Acenaphthene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
208-96-8	Acenaphthylene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
98-86-2	Acetophenone	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
62-53-3	Aniline	ND	HT-PR	mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
120-12-7	Anthracene	0.0945	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
1912-24-9	Atrazine	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
100-52-7	Benzaldehyde	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
92-87-5	Benzidine	ND	CCVE, HT-PR	mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
56-55-3	Benzo(a)anthracene	0.241	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
50-32-8	Benzo(a)pyrene	0.230	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
205-99-2	Benzo(b)fluoranthene	0.275	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
191-24-2	Benzo(g,h,i)perylene	0.155	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
207-08-9	Benzo(k)fluoranthene	0.121	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
65-85-0	Benzoic acid	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
100-51-6	Benzyl alcohol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
85-68-7	Benzyl butyl phthalate	19.4		mg/kg dry	1.10	2.19	50	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/09/2023 12:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 9:30 am

Date Received
07/20/2023

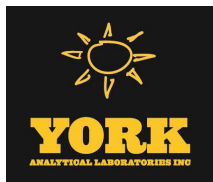
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND	HT-PR	mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
86-74-8	Carbazole	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
218-01-9	Chrysene	0.261	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
53-70-3	Dibenzo(a,h)anthracene	0.0448	J, HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
132-64-9	Dibenzofuran	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
84-66-2	Diethyl phthalate	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
131-11-3	Dimethyl phthalate	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
84-74-2	Di-n-butyl phthalate	0.0448	HT-PR, J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
117-84-0	Di-n-octyl phthalate	0.0448	HT-PR, J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
206-44-0	Fluoranthene	0.459	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
86-73-7	Fluorene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
118-74-1	Hexachlorobenzene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
87-68-3	Hexachlorobutadiene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
77-47-4	Hexachlorocyclopentadiene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
67-72-1	Hexachloroethane	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.174	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
78-59-1	Isophorone	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
91-20-3	Naphthalene	0.0560	HT-PR, J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
98-95-3	Nitrobenzene	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
62-75-9	N-Nitrosodimethylamine	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
86-30-6	N-Nitrosodiphenylamine	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
85-01-8	Phenanthrene	0.373	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
108-95-2	Phenol	ND	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
129-00-0	Pyrene	0.560	HT-PR	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
110-86-1	Pyridine	ND	HT-PR	mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/07/2023 13:19	08/08/2023 13:17	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	1.68 %	HT-PR, S-08	20-108							
13127-88-3	Surrogate: SURR: Phenol-d6	21.1 %	HT-PR, S-08	23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	51.9 %	HT-PR	22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.2 %	HT-PR	21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	%	HT-PR, S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.4 %	HT-PR	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 Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 22:42	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	42.7 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.117	0.186	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0558	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.111	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.189	0.193	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ





Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 9:30 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.181	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.176	0.196	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.199	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.201	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.209	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.172	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.132	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.108	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.156	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
2991-50-6	N-EtFOSAA	0.455		ug/kg dry	0.204	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.115	0.421	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.154	0.211	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.163	0.211	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.201	0.203	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.627	0.800	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.795	0.809	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.115	0.843	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:09	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.146	0.375	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.203	0.421	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0653	0.421	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.101	0.421	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.165	0.198	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.627	0.790	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.640	0.843	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.328	0.796	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.259	0.788	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.183	0.796	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.178	0.204	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.131	0.202	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.668	1.05	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.21	5.27	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.58	5.27	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.644	2.11	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.190	0.211	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.734	2.11	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.209	0.211	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:09	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	109 %
Surrogate: M5PFHxA	104 %
Surrogate: M4PFHpA	95.3 %
Surrogate: M3PFHxS	107 %
Surrogate: Perfluoro-n-[13C8]octanoic aci	98.9 %
Surrogate: M6PFDA	91.1 %
Surrogate: M7PFUdA	103 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	84.9 %
Surrogate: M2PFTeDA	45.4 %
Surrogate: Perfluoro-n-[13C4]butanoic aci	0.934 %
Surrogate: Perfluoro-1-[13C8]octanesulfo	103 %



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 9:30 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	23.9 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	110 %			10-150						
	Surrogate: d3-N-MeFOSAA	64.7 %			25-150						
	Surrogate: d5-N-EtFOSAA	86.1 %			25-150						
	Surrogate: M2-6:2 FTS	65.7 %			25-200						
	Surrogate: M2-8:2 FTS	67.5 %			25-200						
	Surrogate: M9PFNA	96.4 %			25-150						
	Surrogate: M2-4:2 FTS	64.7 %			25-150						
	Surrogate: d-N-MeFOSA	62.3 %			25-150						
	Surrogate: d-N-EtFOSA	43.1 %			25-150						
	Surrogate: M3HFPO-DA	119 %			25-150						
	Surrogate: d9-N-EtFOSE	31.2 %			25-150						
	Surrogate: d7-N-MeFOSE	47.6 %			25-150						

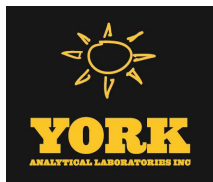
PEST, 8081 MASTER

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	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	0.00273		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	0.00871	P	mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B	08/02/2023 17:20	08/03/2023 16:35	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

PEST, 8081 MASTER

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
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
5566-34-7	gamma-Chlordane	ND	P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
1024-57-3	Heptachlor epoxide	ND	P	mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.174	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:35	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0348	5	EPA 8081B Certifications:	08/02/2023 17:20	08/03/2023 16:35	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	83.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.9 %	30-150							

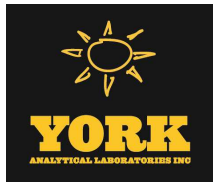
PCB, 8082 MASTER

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	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ
11097-69-1	Aroclor 1254	0.0467		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 18:28	BCJ



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:30 am

07/20/2023

PCB, 8082 MASTER

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
1336-36-3	* Total PCBs	0.0467		mg/kg dry	0.0176	1	EPA 8082A	08/02/2023 17:20	08/03/2023 18:28	BCJ
							Certifications:			
	Surrogate Recoveries	Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	63.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	52.5 %		30-120						

HERB, 8151 MASTER

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	0.0211	1	EPA 8151A	08/02/2023 15:29	08/09/2023 02:33	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0211	1	EPA 8151A	08/02/2023 15:29	08/09/2023 02:33	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0211	1	EPA 8151A	08/02/2023 15:29	08/09/2023 02:33	BCJ
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
	Surrogate Recoveries	Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	1.40 %	S-08, S-09	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	9190		mg/kg dry	4.41	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	3.79		mg/kg dry	2.20	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	6.58		mg/kg dry	1.32	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	Barium	69.1		mg/kg dry	2.20	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.044	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.264	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	Calcium	29500		mg/kg dry	4.41	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	19.9		mg/kg dry	0.441	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	6.16		mg/kg dry	0.352	1	EPA 6010D	08/04/2023 14:15	08/09/2023 10:52	CEG
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			





Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 9:30 am

Date Received

07/20/2023

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
7440-50-8	Copper	44.7		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7439-89-6	Iron	14900		mg/kg dry	22.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7439-92-1	Lead	83.7		mg/kg dry	0.441	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7439-95-4	Magnesium	2780		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7439-96-5	Manganese	241		mg/kg dry	0.441	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-02-0	Nickel	10.2		mg/kg dry	0.878	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-09-7	Potassium	1050		mg/kg dry	4.41	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-22-4	Silver	ND		mg/kg dry	0.444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-23-5	Sodium	746		mg/kg dry	44.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-28-0	Thallium	6.52		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-62-2	Vanadium	27.0		mg/kg dry	0.878	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG
7440-66-6	Zinc	65.0		mg/kg dry	2.19	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:52	CEG

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	0.184		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	5.20		mg/kg dry	0.529	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

Chromium, Trivalent

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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(203) 325-1371

132-02 89th AVENUE

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RICHMOND HILL, NY 11418

ClientServices@



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 23G1244-03

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 9:30 am

Date Received

07/20/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.7		mg/kg	0.500	1	Calculation	08/09/2023 16:50	08/09/2023 17:07	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	0.529	1	EPA 9014/9010C	08/02/2023 14:20	08/02/2023 21:35	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

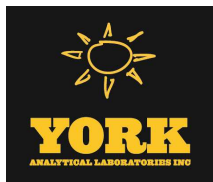
Total Solids

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	94.6		%	0.100	1	SM 2540G	08/02/2023 07:43	08/02/2023 14:06	sgs
Certifications: CTDOH-PH-0723										



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

VOA, 8260 MASTER

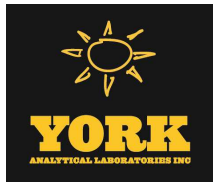
Log-in Notes:

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	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 01:42	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 01:42	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC





Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

VOA, 8260 MASTER

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	4.4	8.8	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 01:42	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
67-64-1	Acetone	0.58	J	mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
71-43-2	Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

VOA, 8260 MASTER

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	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
110-82-7	Cyclohexane	1.1		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-87-2	Methyleyclohexane	0.35	J	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
100-42-5	Styrene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC





Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 9:45 am

Date Received
07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-88-3	Toluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 01:42	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 01:42	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.66	1.3	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 01:42	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

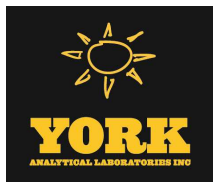
SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

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Matrix

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23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
100-02-7	4-Nitrophenol	ND	CAL-E	mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
83-32-9	Acenaphthene	0.139		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
120-12-7	Anthracene	0.304		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
56-55-3	Benzo(a)anthracene	0.584		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
50-32-8	Benzo(a)pyrene	0.548		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
205-99-2	Benzo(b)fluoranthene	0.642		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
191-24-2	Benzo(g,h,i)perylene	0.297		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
207-08-9	Benzo(k)fluoranthene	0.261		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

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23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

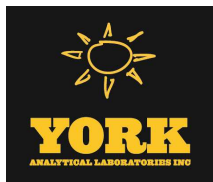
SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
86-74-8	Carbazole	0.126		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
218-01-9	Chrysene	0.570		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.0904	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
132-64-9	Dibenzofuran	0.0835	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
206-44-0	Fluoranthene	1.28		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
86-73-7	Fluorene	0.114		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.335		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
91-20-3	Naphthalene	0.0759	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
85-01-8	Phenanthrene	1.16		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
129-00-0	Pyrene	1.05		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 12:31	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.6 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	63.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	70.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.4 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.6 %	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	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 22:11	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	55.6 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.127	0.202	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0604	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.204	0.209	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.196	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ



Sample Information

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Soil

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.190	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.215	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.218	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.186	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.142	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.117	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.169	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.221	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.124	0.456	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.166	0.228	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.177	0.228	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.678	0.866	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.861	0.875	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.124	0.912	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:00	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.158	0.406	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.220	0.456	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0707	0.456	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.109	0.456	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.179	0.214	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 9:45 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.678	0.855	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.693	0.912	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.355	0.862	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.280	0.853	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.198	0.862	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.193	0.221	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.141	0.219	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.723	1.14	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.39	5.70	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.71	5.70	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.696	2.28	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.205	0.228	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.794	2.28	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:00	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		151 %	25-150								
Surrogate: M5PFHxA		188 %	25-150								
Surrogate: M4PFHpA		170 %	25-150								
Surrogate: M3PFHxS		160 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		156 %	25-150								
Surrogate: M6PFDA		120 %	25-150								
Surrogate: M7PFUdA		123 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		140 %	25-150								
Surrogate: M2PFTeDA		94.4 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		27.0 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		140 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		144 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		154 %	10-150								



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 9:45 am

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	162 %			25-150						
	Surrogate: d5-N-EtFOSAA	212 %			25-150						
	Surrogate: M2-6:2 FTS	314 %			25-200						
	Surrogate: M2-8:2 FTS	211 %			25-200						
	Surrogate: M9PFNA	125 %			25-150						
	Surrogate: M2-4:2 FTS	222 %			25-150						
	Surrogate: d-N-MeFOSA	118 %			25-150						
	Surrogate: d-N-EtFOSA	92.4 %			25-150						
	Surrogate: M3HFPO-DA	151 %			25-150						
	Surrogate: d9-N-EtFOSE	51.7 %			25-150						
	Surrogate: d7-N-MeFOSE	61.5 %			25-150						

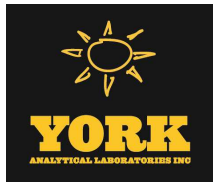
PEST, 8081 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 19:30	07/27/2023 16:43	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 16:43	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B Certifications:	07/25/2023 19:30	07/27/2023 16:43	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	95.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.7 %	30-150							

PCB, 8082 MASTER

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	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:26	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	07/25/2023 19:30	07/27/2023 21:26	BCJ





Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 9:45 am

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	77.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	74.0 %		30-120						

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:35	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:35	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:35	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	39.2 %		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	9530		mg/kg dry	4.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-36-0	Antimony	7.20		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-38-2	Arsenic	15.3		mg/kg dry	1.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-39-3	Barium	61.5		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-41-7	Beryllium	ND		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.288	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-70-2	Calcium	2360		mg/kg dry	4.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-47-3	Chromium	28.8		mg/kg dry	0.481	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-48-4	Cobalt	10.7		mg/kg dry	0.384	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-50-8	Copper	30.3		mg/kg dry	1.92	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

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
7439-89-6	Iron	23800		mg/kg dry	24.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7439-92-1	Lead	61.4		mg/kg dry	0.481	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7439-95-4	Magnesium	3790		mg/kg dry	4.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7439-96-5	Manganese	712		mg/kg dry	0.481	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-02-0	Nickel	19.7		mg/kg dry	0.957	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-09-7	Potassium	1950	M-CCV 1, B	mg/kg dry	4.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-22-4	Silver	ND		mg/kg dry	0.484	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-23-5	Sodium	153		mg/kg dry	48.1	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-28-0	Thallium	14.4		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-62-2	Vanadium	28.5		mg/kg dry	0.957	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG
7440-66-6	Zinc	63.3		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:44	CEG

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	ND		mg/kg dry	0.0346	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.577	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 15:21	07/26/2023 20:45	NJO

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 23G1244-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 9:45 am

07/20/2023

16065-83-1 * Chromium, Trivalent 28.8 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/28/2023 17:25 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	0.577	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:37	07/27/2023 17:03	SL

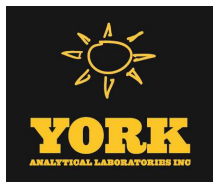
Total Solids

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	86.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/27/2023 07:32	07/27/2023 15:13	sgs



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

VOA, 8260 MASTER

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	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:51	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:51	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC





Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

VOA, 8260 MASTER

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	0.045	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:51	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
67-64-1	Acetone	0.021		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC





Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:10 pm

Date Received
07/20/2023

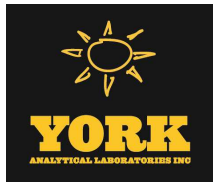
VOA, 8260 MASTER

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	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:10 pm

Date Received

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 13:51	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 13:51	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 13:51	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.2 %	76-130								

SVOA, 8270 MASTER

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	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

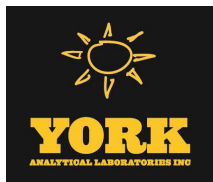
SVOA, 8270 MASTER

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	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
91-57-6	2-Methylnaphthalene	0.0652	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

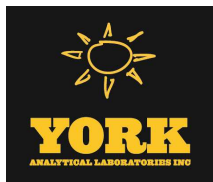
SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
83-32-9	Acenaphthene	0.104		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
208-96-8	Acenaphthylene	0.0913		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
120-12-7	Anthracene	0.468		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
56-55-3	Benzo(a)anthracene	2.22		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
50-32-8	Benzo(a)pyrene	2.23		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
205-99-2	Benzo(b)fluoranthene	1.89		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
191-24-2	Benzo(g,h,i)perylene	1.24		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
207-08-9	Benzo(k)fluoranthene	1.77		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0913		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

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Soil

July 19, 2023 1:10 pm

07/20/2023

SVOA, 8270 MASTER

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	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
86-74-8	Carbazole	0.307		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
218-01-9	Chrysene	2.15		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
53-70-3	Dibenzo(a,h)anthracene	0.335		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
132-64-9	Dibenzofuran	0.0870	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
206-44-0	Fluoranthene	3.91		mg/kg dry	0.114	0.227	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 13:10	KH
86-73-7	Fluorene	0.121		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.56		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
91-20-3	Naphthalene	0.0870	J	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
85-01-8	Phenanthrene	2.18		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
129-00-0	Pyrene	3.81		mg/kg dry	0.114	0.227	5	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 13:10	KH
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:10	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	57.4 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	51.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.7 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	64.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.2 %	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	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 22:58	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.8 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.120	0.192	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0575	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.114	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.194	0.198	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.187	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.181	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.205	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.207	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.215	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.177	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.136	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.112	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.161	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.210	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.118	0.434	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.158	0.217	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.168	0.217	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.207	0.209	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.645	0.824	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.819	0.833	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.118	0.868	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:25	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.151	0.386	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.209	0.434	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0672	0.434	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.104	0.434	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.170	0.204	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:10 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.645	0.813	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.659	0.868	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.337	0.820	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.267	0.811	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.189	0.820	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.183	0.210	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.134	0.208	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.688	1.08	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.28	5.42	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.63	5.42	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.663	2.17	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.195	0.217	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.756	2.17	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.215	0.217	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:25	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		62.1 %	25-150								
Surrogate: M5PFHxA		87.8 %	25-150								
Surrogate: M4PFHpA		103 %	25-150								
Surrogate: M3PFHxS		122 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		113 %	25-150								
Surrogate: M6PFDA		108 %	25-150								
Surrogate: M7PFUdA		120 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		98.2 %	25-150								
Surrogate: M2PFTeDA		66.8 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.724 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		102 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		2.10 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		117 %	10-150								



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	101 %			25-150						
	Surrogate: d5-N-EtFOSAA	121 %			25-150						
	Surrogate: M2-6:2 FTS	78.4 %			25-200						
	Surrogate: M2-8:2 FTS	74.6 %			25-200						
	Surrogate: M9PFNA	118 %			25-150						
	Surrogate: M2-4:2 FTS	63.8 %			25-150						
	Surrogate: d-N-MeFOSA	70.7 %			25-150						
	Surrogate: d-N-EtFOSA	48.5 %			25-150						
	Surrogate: M3HFPO-DA	90.6 %			25-150						
	Surrogate: d9-N-EtFOSE	45.3 %			25-150						
	Surrogate: d7-N-MeFOSE	64.9 %			25-150						

PEST, 8081 MASTER

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	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
50-29-3	4,4'-DDT	0.00206		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/02/2023 17:20	08/03/2023 16:51	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:10 pm

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 16:51	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B Certifications:	08/02/2023 17:20	08/03/2023 16:51	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	82.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.9 %	30-150							

PCB, 8082 MASTER

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	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:10	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/02/2023 17:20	08/03/2023 19:10	BCJ



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:10 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	57.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	40.5 %		30-120						

HERB, 8151 MASTER

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	0.0220	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:20	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:20	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:20	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	58.4 %		21-150						

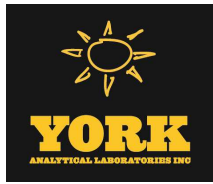
Metals, Target Analyte

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	8030		mg/kg dry	4.59	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-36-0	Antimony	13.2		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-38-2	Arsenic	30.6		mg/kg dry	1.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-39-3	Barium	177		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-41-7	Beryllium	0.289		mg/kg dry	0.046	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.275	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-70-2	Calcium	3780		mg/kg dry	4.59	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-47-3	Chromium	18.4		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-48-4	Cobalt	11.1		mg/kg dry	0.367	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-50-8	Copper	259		mg/kg dry	1.84	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG



Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:10 pm

Date Received

07/20/2023

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
7439-89-6	Iron	31700		mg/kg dry	23.0	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7439-92-1	Lead	395		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7439-95-4	Magnesium	1880		mg/kg dry	4.59	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7439-96-5	Manganese	441		mg/kg dry	0.459	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-02-0	Nickel	21.1		mg/kg dry	0.915	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-09-7	Potassium	1290		mg/kg dry	4.59	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-22-4	Silver	ND		mg/kg dry	0.463	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-23-5	Sodium	318		mg/kg dry	45.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-28-0	Thallium	21.1		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-62-2	Vanadium	30.3		mg/kg dry	0.915	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG
7440-66-6	Zinc	326		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 10:55	CEG

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	0.681		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.551	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/04/2023 14:12	08/04/2023 21:01	SMK

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

120 RESEARCH DRIVE

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132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB07_1-3

York Sample ID: 23G1244-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:10 pm

07/20/2023

16065-83-1 * Chromium, Trivalent 18.4 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 17:07 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	0.551	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 14:20	08/02/2023 21:35	SL

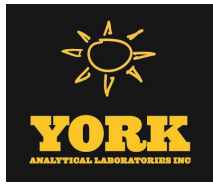
Total Solids

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	90.8		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/02/2023 07:43	08/02/2023 14:06	sgs



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

VOA, 8260 MASTER

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	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:20	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:20	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

VOA, 8260 MASTER

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	0.070	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:20	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
67-64-1	Acetone	0.0091	J	mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

VOA, 8260 MASTER

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	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC





Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:15 pm

Date Received

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:20	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:20	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:20	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.9 %	76-130								

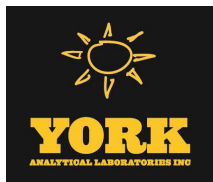
SVOA, 8270 MASTER

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	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

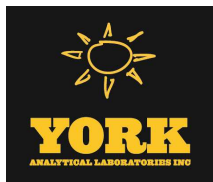
SVOA, 8270 MASTER

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	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
91-57-6	2-Methylnaphthalene	0.145		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
83-32-9	Acenaphthene	0.187		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
208-96-8	Acenaphthylene	0.275		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
120-12-7	Anthracene	1.10		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
56-55-3	Benzo(a)anthracene	2.81		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
50-32-8	Benzo(a)pyrene	2.18		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
205-99-2	Benzo(b)fluoranthene	1.78		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
191-24-2	Benzo(g,h,i)perylene	1.10		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
207-08-9	Benzo(k)fluoranthene	1.61		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

SVOA, 8270 MASTER

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	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
86-74-8	Carbazole	0.287		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
218-01-9	Chrysene	2.57		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
53-70-3	Dibenzo(a,h)anthracene	0.407		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
132-64-9	Dibenzofuran	0.209		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
206-44-0	Fluoranthene	6.21		mg/kg dry	0.236	0.471	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 14:15	KH
86-73-7	Fluorene	0.236		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.39		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
91-20-3	Naphthalene	0.327		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:15 pm

Date Received
07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
85-01-8	Phenanthrene	4.18		mg/kg dry	0.236	0.471	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 14:15	KH
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
129-00-0	Pyrene	5.45		mg/kg dry	0.236	0.471	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 14:15	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 19:40	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	78.2 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	71.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	94.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	87.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.0 %	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	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 23:16	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	59.0 %	39-127.5							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.126	0.200	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0600	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.119	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.203	0.207	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.195	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:15 pm

Date Received
07/20/2023

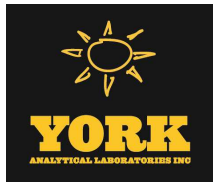
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.189	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.214	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.216	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.224	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.185	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.142	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.117	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.168	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.220	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.123	0.453	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.165	0.227	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.176	0.227	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.216	0.219	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.674	0.861	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.855	0.870	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.123	0.906	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:41	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.157	0.403	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.219	0.453	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0702	0.453	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.109	0.453	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.178	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:15 pm

Date Received

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.674	0.849	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.689	0.906	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.352	0.856	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.279	0.847	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.197	0.856	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.191	0.220	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.140	0.217	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.718	1.13	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.38	5.66	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.70	5.66	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.692	2.27	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.204	0.227	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.789	2.27	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.224	0.227	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:41	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		105 %	25-150								
Surrogate: M5PFHxA		104 %	25-150								
Surrogate: M4PFHpA		86.0 %	25-150								
Surrogate: M3PFHxS		105 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		98.8 %	25-150								
Surrogate: M6PFDA		98.8 %	25-150								
Surrogate: M7PFUdA		99.3 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		88.6 %	25-150								
Surrogate: M2PFTeDA		73.1 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.876 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		105 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		19.3 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		99.9 %	10-150								



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:15 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	92.3 %			25-150						
	Surrogate: d5-N-EtFOSAA	108 %			25-150						
	Surrogate: M2-6:2 FTS	67.8 %			25-200						
	Surrogate: M2-8:2 FTS	75.7 %			25-200						
	Surrogate: M9PFNA	105 %			25-150						
	Surrogate: M2-4:2 FTS	71.4 %			25-150						
	Surrogate: d-N-MeFOSA	53.6 %			25-150						
	Surrogate: d-N-EtFOSA	41.3 %			25-150						
	Surrogate: M3HFPO-DA	101 %			25-150						
	Surrogate: d9-N-EtFOSE	45.8 %			25-150						
	Surrogate: d7-N-MeFOSE	61.6 %			25-150						

PEST, 8081 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/02/2023 17:20	08/03/2023 17:08	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:15 pm

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:08	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications:	08/02/2023 17:20	08/03/2023 17:08	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	104 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.5 %	30-150							

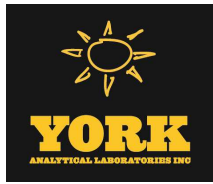
PCB, 8082 MASTER

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	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:23	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	08/02/2023 17:20	08/03/2023 19:23	BCJ



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:15 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	51.0 %		30-120						

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:31	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:31	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:31	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	73.4 %		21-150						

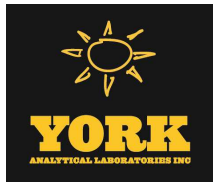
Metals, Target Analyte

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	3750		mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-36-0	Antimony	31.3		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-38-2	Arsenic	59.6		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-39-3	Barium	145		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-41-7	Beryllium	0.277		mg/kg dry	0.048	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.286	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-70-2	Calcium	1600		mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-47-3	Chromium	12.5		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-48-4	Cobalt	20.1		mg/kg dry	0.381	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-50-8	Copper	120		mg/kg dry	1.91	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG



Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:15 pm

Date Received

07/20/2023

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
7439-89-6	Iron	71100		mg/kg dry	23.8	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7439-92-1	Lead	323		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7439-95-4	Magnesium	481		mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7439-96-5	Manganese	367		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-02-0	Nickel	28.5		mg/kg dry	0.949	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-09-7	Potassium	627		mg/kg dry	4.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-22-4	Silver	ND		mg/kg dry	0.480	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-23-5	Sodium	351		mg/kg dry	47.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-28-0	Thallium	59.0		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-62-2	Vanadium	27.1		mg/kg dry	0.949	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG
7440-66-6	Zinc	207		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:11	CEG

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	0.234		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.572	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/07/2023 09:11	08/07/2023 16:08	JAMT

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB07_3-5

York Sample ID: 23G1244-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:15 pm

07/20/2023

16065-83-1 * Chromium, Trivalent 12.5 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 17:07 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	0.572	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 14:20	08/02/2023 21:35	SL

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	87.4		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/02/2023 07:43	08/02/2023 14:06	sgs



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:20 pm

07/20/2023

VOA, 8260 MASTER

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	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 02:40	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 02:40	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:20 pm

07/20/2023

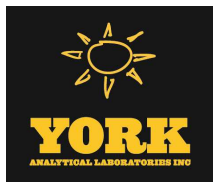
VOA, 8260 MASTER

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	4.4	8.8	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 02:40	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
67-64-1	Acetone	0.65	J	mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
71-43-2	Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

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Soil

July 19, 2023 1:20 pm

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VOA, 8260 MASTER

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	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
98-82-8	Isopropylbenzene	0.38	J	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
104-51-8	n-Butylbenzene	1.5		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
103-65-1	n-Propylbenzene	0.79		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
135-98-8	sec-Butylbenzene	1.7		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
100-42-5	Styrene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

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Soil

July 19, 2023 1:20 pm

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-88-3	Toluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/27/2023 11:20	07/28/2023 02:40	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/27/2023 11:20	07/28/2023 02:40	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.66	1.3	100	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/27/2023 11:20	07/28/2023 02:40	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.5 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH





Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

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Soil

July 19, 2023 1:20 pm

07/20/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
91-57-6	2-Methylnaphthalene	13.8		mg/kg dry	0.487	0.971	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.
23G1244

Client Project ID
100964201

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Collection Date/Time
July 19, 2023 1:20 pm

Date Received
07/20/2023

SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
100-02-7	4-Nitrophenol	ND	CAL-E	mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
83-32-9	Acenaphthene	1.91		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
208-96-8	Acenaphthylene	0.539		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
120-12-7	Anthracene	0.398		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
56-55-3	Benzo(a)anthracene	0.148		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
50-32-8	Benzo(a)pyrene	0.119		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
205-99-2	Benzo(b)fluoranthene	0.147		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
191-24-2	Benzo(g,h,i)perylene	0.0823	J	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
207-08-9	Benzo(k)fluoranthene	0.0543	J	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

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Matrix

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23G1244

100964201

Soil

July 19, 2023 1:20 pm

07/20/2023

SVOA, 8270 MASTER

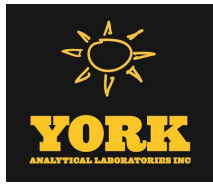
Log-in Notes:

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
218-01-9	Chrysene	0.201		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
132-64-9	Dibenzofuran	1.48		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
84-74-2	Di-n-butyl phthalate	0.0590	J	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
206-44-0	Fluoranthene	0.629		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
86-73-7	Fluorene	2.27		mg/kg dry	0.487	0.971	20	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0536	J	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
91-20-3	Naphthalene	2.17		mg/kg dry	0.487	0.971	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH





Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

23G1244

Client Project ID

100964201

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Collection Date/Time

July 19, 2023 1:20 pm

Date Received

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
85-01-8	Phenanthrene	5.03		mg/kg dry	0.487	0.971	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
129-00-0	Pyrene	0.449		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:01	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	104 %									
13127-88-3	Surrogate: SURR: Phenol-d6	101 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	124 %	S-08								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	104 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	114 %	S-08								
1718-51-0	Surrogate: SURR: Terphenyl-d14	109 %									

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	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	07/26/2023 12:49	07/27/2023 22:28	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	53.0 %								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.128	0.204	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0612	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.121	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.207	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.199	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

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July 19, 2023 1:20 pm

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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.193	0.215	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.218	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.220	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.229	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.188	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.144	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.119	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.171	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.224	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.126	0.462	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.169	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.179	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.220	0.223	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.687	0.877	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.871	0.886	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.126	0.923	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:12	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.160	0.411	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.223	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0716	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.111	0.462	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.181	0.217	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:20 pm

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.687	0.866	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.702	0.923	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.359	0.873	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.284	0.863	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.201	0.873	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.195	0.224	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.143	0.222	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.732	1.15	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.42	5.77	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.73	5.77	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.705	2.31	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.208	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.804	2.31	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.229	0.231	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:12	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		161 %	25-150								
Surrogate: M5PFHxA		174 %	25-150								
Surrogate: M4PFHpA		144 %	25-150								
Surrogate: M3PFHxS		150 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		124 %	25-150								
Surrogate: M6PFDA		152 %	25-150								
Surrogate: M7PFUdA		140 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		141 %	25-150								
Surrogate: M2PFTeDA		117 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		137 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		165 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		157 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		161 %	10-150								



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:20 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	243 %			25-150						
	Surrogate: d5-N-EtFOSAA	285 %			25-150						
	Surrogate: M2-6:2 FTS	417 %			25-200						
	Surrogate: M2-8:2 FTS	310 %			25-200						
	Surrogate: M9PFNA	119 %			25-150						
	Surrogate: M2-4:2 FTS	238 %			25-150						
	Surrogate: d-N-MeFOSA	88.6 %			25-150						
	Surrogate: d-N-EtFOSA	110 %			25-150						
	Surrogate: M3HFPO-DA	132 %			25-150						
	Surrogate: d9-N-EtFOSE	78.3 %			25-150						
	Surrogate: d7-N-MeFOSE	83.6 %			25-150						

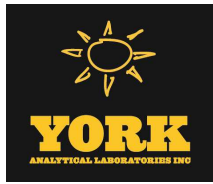
PEST, 8081 MASTER

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	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 19:30	07/27/2023 17:01	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

23G1244

Client Project ID

100964201

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Soil

Collection Date/Time

July 19, 2023 1:20 pm

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:01	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0384	5	EPA 8081B Certifications:	07/25/2023 19:30	07/27/2023 17:01	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	106 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	50.2 %	30-150							

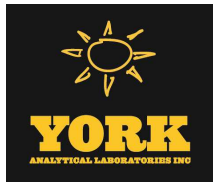
PCB, 8082 MASTER

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	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:40	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications:	07/25/2023 19:30	07/27/2023 21:40	BCJ



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:20 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	75.0 %		30-120						

HERB, 8151 MASTER

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	0.0230	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:46	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:46	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:46	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	35.8 %		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	6890		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-36-0	Antimony	4.74		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-38-2	Arsenic	7.89		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-39-3	Barium	43.9		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-41-7	Beryllium	0.115		mg/kg dry	0.049	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.292	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-70-2	Calcium	1460		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-47-3	Chromium	13.7		mg/kg dry	0.487	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-48-4	Cobalt	6.75		mg/kg dry	0.389	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-50-8	Copper	11.7		mg/kg dry	1.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:20 pm

Date Received
07/20/2023

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
7439-89-6	Iron	17000		mg/kg dry	24.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7439-92-1	Lead	13.5		mg/kg dry	0.487	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7439-95-4	Magnesium	2350		mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7439-96-5	Manganese	341		mg/kg dry	0.487	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-02-0	Nickel	11.4		mg/kg dry	0.969	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-09-7	Potassium	1440	M-CCV 1, B	mg/kg dry	4.87	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-22-4	Silver	ND		mg/kg dry	0.491	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-23-5	Sodium	271		mg/kg dry	48.7	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-28-0	Thallium	11.0		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-62-2	Vanadium	19.3		mg/kg dry	0.969	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG
7440-66-6	Zinc	19.0		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:46	CEG

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	ND		mg/kg dry	0.0350	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.584	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 15:21	07/26/2023 20:45	NJO

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

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STRATFORD, CT 06615
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132-02 89th AVENUE
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ClientServices@yorklab.com



Sample Information

Client Sample ID: SB07_8-10

York Sample ID: 23G1244-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:20 pm

07/20/2023

16065-83-1 * Chromium, Trivalent 13.7 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/28/2023 17:25 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	0.584	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/26/2023 14:37	07/27/2023 17:03	SL

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 Certifications: CTDOH-PH-0723	07/27/2023 07:32	07/27/2023 15:13	sgs



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

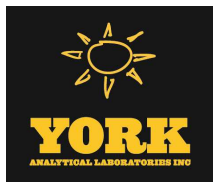
VOA, 8260 MASTER

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	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 11:57	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 11:57	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

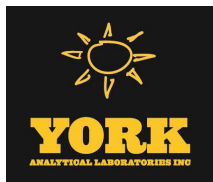
VOA, 8260 MASTER

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	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 11:57	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
67-64-1	Acetone	0.015		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

VOA, 8260 MASTER

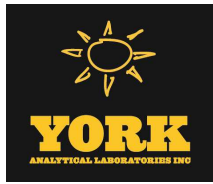
Log-in Notes:

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	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC





Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

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23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 11:57	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 11:57	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 11:57	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.1 %	76-130								

SVOA, 8270 MASTER

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
92-52-4	1,1-Biphenyl	0.114		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND	CCVE	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

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23G1244

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Soil

July 19, 2023 1:45 pm

07/20/2023

SVOA, 8270 MASTER

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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
91-57-6	2-Methylnaphthalene	0.514		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

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23G1244

100964201

Soil

July 19, 2023 1:45 pm

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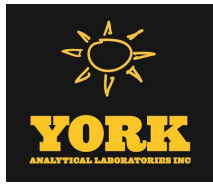
SVOA, 8270 MASTER

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
100-02-7	4-Nitrophenol	ND	CAL-E	mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
83-32-9	Acenaphthene	1.27		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
208-96-8	Acenaphthylene	0.455		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
120-12-7	Anthracene	4.01		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
56-55-3	Benzo(a)anthracene	11.0		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
50-32-8	Benzo(a)pyrene	8.26		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
205-99-2	Benzo(b)fluoranthene	7.26		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
191-24-2	Benzo(g,h,i)perylene	3.43		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
207-08-9	Benzo(k)fluoranthene	6.62		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

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Soil

July 19, 2023 1:45 pm

07/20/2023

SVOA, 8270 MASTER

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
86-74-8	Carbazole	0.906		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
218-01-9	Chrysene	10.3		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
53-70-3	Dibenzo(a,h)anthracene	2.05		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
132-64-9	Dibenzofuran	0.547		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
206-44-0	Fluoranthene	20.3		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
86-73-7	Fluorene	1.54		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	4.51		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
91-20-3	Naphthalene	0.188		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

SVOA, 8270 MASTER

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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
85-01-8	Phenanthrene	16.3		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
108-95-2	Phenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
129-00-0	Pyrene	21.5		mg/kg dry	0.446	0.889	20	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 14:34	KH
110-86-1	Pyridine	ND	CCVE	mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 11:10	07/28/2023 13:32	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	74.3 %									
13127-88-3	Surrogate: SURR: Phenol-d6	75.3 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	85.1 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	91.6 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	210 %	S-08								
1718-51-0	Surrogate: SURR: Terphenyl-d14	99.8 %									

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 Certifications: NELAC-NY10854	07/27/2023 16:45	07/28/2023 19:23	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.5 %								

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.117	0.187	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	0.113	J	ug/kg dry	0.0559	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.111	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.189	0.193	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.181	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ





Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 1:45 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.176	0.196	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.199	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.202	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.209	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.172	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.132	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.109	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.156	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.205	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.79		ug/kg dry	0.115	0.422	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.154	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.164	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.202	0.204	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.628	0.802	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.797	0.810	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.115	0.844	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	07/25/2023 15:24	07/28/2023 18:24	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.147	0.376	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.204	0.422	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0654	0.422	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.101	0.422	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.166	0.198	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

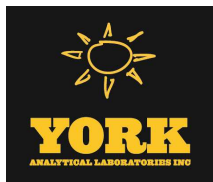
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.628	0.791	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.641	0.844	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.328	0.798	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.260	0.789	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.184	0.798	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.178	0.205	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.131	0.203	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.669	1.05	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.21	5.27	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.58	5.27	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.645	2.11	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.190	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.735	2.11	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.209	0.211	1	EPA 1633 Draft 3 Certifications:	07/25/2023 15:24	07/28/2023 18:24	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		122 %	25-150								
Surrogate: M5PFHxA		171 %	25-150								
Surrogate: M4PFHpA		136 %	25-150								
Surrogate: M3PFHxS		127 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		139 %	25-150								
Surrogate: M6PFDA		155 %	25-150								
Surrogate: M7PFUdA		136 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		125 %	25-150								
Surrogate: M2PFTeDA		102 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		77.2 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		115 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		163 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		112 %	10-150								



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	184 %			25-150						
	Surrogate: d5-N-EtFOSAA	225 %			25-150						
	Surrogate: M2-6:2 FTS	396 %			25-200						
	Surrogate: M2-8:2 FTS	280 %			25-200						
	Surrogate: M9PFNA	119 %			25-150						
	Surrogate: M2-4:2 FTS	254 %			25-150						
	Surrogate: d-N-MeFOSA	67.3 %			25-150						
	Surrogate: d-N-EtFOSA	56.6 %			25-150						
	Surrogate: M3HFPO-DA	134 %			25-150						
	Surrogate: d9-N-EtFOSE	52.4 %			25-150						
	Surrogate: d7-N-MeFOSE	61.9 %			25-150						

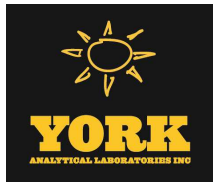
PEST, 8081 MASTER

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	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	07/25/2023 19:30	07/27/2023 17:54	BCJ
1031-07-8	Endosulfan sulfate	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:45 pm

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 17:54	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications:	07/25/2023 19:30	07/27/2023 17:54	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	90.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.2 %	30-150							

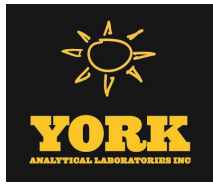
PCB, 8082 MASTER

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	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 19:30	07/27/2023 21:54	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	07/25/2023 19:30	07/27/2023 21:54	BCJ



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 1:45 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %		30-120						

HERB, 8151 MASTER

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	0.0210	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:57	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:57	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 08:44	07/28/2023 15:57	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	34.4 %		21-150						

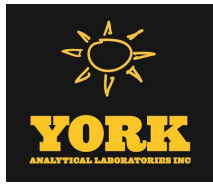
Metals, Target Analyte

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	6620		mg/kg dry	4.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-36-0	Antimony	14.4		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-38-2	Arsenic	36.9		mg/kg dry	1.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-39-3	Barium	331		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-41-7	Beryllium	0.367		mg/kg dry	0.045	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-43-9	Cadmium	1.10		mg/kg dry	0.267	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-70-2	Calcium	2850		mg/kg dry	4.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-47-3	Chromium	19.6		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-48-4	Cobalt	15.4		mg/kg dry	0.356	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-50-8	Copper	215		mg/kg dry	1.78	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG



Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

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
7439-89-6	Iron	50300		mg/kg dry	22.3	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7439-92-1	Lead	531		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7439-95-4	Magnesium	1150		mg/kg dry	4.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7439-96-5	Manganese	678		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-02-0	Nickel	47.7		mg/kg dry	0.888	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-09-7	Potassium	817	M-CCV 1, B	mg/kg dry	4.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-22-4	Silver	ND		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-23-5	Sodium	292		mg/kg dry	44.6	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-28-0	Thallium	35.9		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-62-2	Vanadium	31.0		mg/kg dry	0.888	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG
7440-66-6	Zinc	907		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/27/2023 14:06	07/28/2023 15:48	CEG

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	0.389		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	07/27/2023 14:25	07/28/2023 08:27	AGNR

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	0.535	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	07/26/2023 15:21	07/26/2023 20:45	NJO

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB08_1-3

York Sample ID: 23G1244-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 1:45 pm

07/20/2023

16065-83-1 * Chromium, Trivalent 19.6 mg/kg 0.500 1 Calculation 07/28/2023 07:58 07/28/2023 17:25 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	0.535	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/27/2023 14:46	07/27/2023 21:47	SL

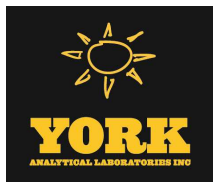
Total Solids

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	93.5		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/27/2023 07:32	07/27/2023 15:13	sgs



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

VOA, 8260 MASTER

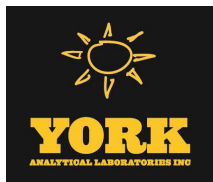
Log-in Notes:

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	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:49	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:49	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC





Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

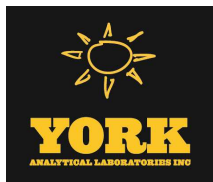
VOA, 8260 MASTER

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	0.067	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:49	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

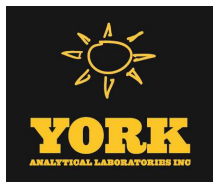
VOA, 8260 MASTER

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	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
75-69-4	Trichlorofluoromethane	ND	CCVE, QL-02	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 14:49	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 14:49	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 14:49	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.1 %	76-130								

SVOA, 8270 MASTER

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	0.0640	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH





Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

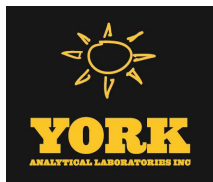
SVOA, 8270 MASTER

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	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
91-57-6	2-Methylnaphthalene	0.171		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
83-32-9	Acenaphthene	0.731		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
208-96-8	Acenaphthylene	0.0699	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
120-12-7	Anthracene	1.50		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
56-55-3	Benzo(a)anthracene	2.76		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
50-32-8	Benzo(a)pyrene	2.30		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
205-99-2	Benzo(b)fluoranthene	2.13		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
191-24-2	Benzo(g,h,i)perylene	1.12		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
207-08-9	Benzo(k)fluoranthene	1.69		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

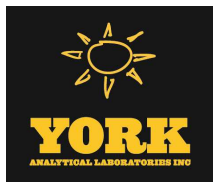
SVOA, 8270 MASTER

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	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
86-74-8	Carbazole	0.563		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
218-01-9	Chrysene	2.52		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
53-70-3	Dibenzo(a,h)anthracene	0.350		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
132-64-9	Dibenzofuran	0.425		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
206-44-0	Fluoranthene	7.00		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 16:54	KH
86-73-7	Fluorene	0.555		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.43		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
91-20-3	Naphthalene	0.273		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
85-01-8	Phenanthrene	6.54		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 16:54	KH
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
129-00-0	Pyrene	6.15		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/07/2023 16:54	KH
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:10	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.4 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	62.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	88.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.0 %	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	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/02/2023 18:15	08/03/2023 23:50	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.1 %	39-127.5							

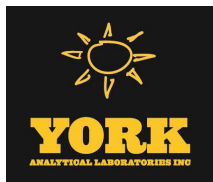
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.123	0.196	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0586	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.116	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.198	0.202	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.190	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.185	0.206	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.209	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.211	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.219	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.180	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.138	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.114	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.164	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.214	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.121	0.442	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.161	0.221	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.171	0.221	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.211	0.213	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.658	0.840	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.835	0.849	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.121	0.885	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 05:57	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.154	0.394	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.213	0.442	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0685	0.442	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.106	0.442	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.174	0.208	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.
23G1244

Client Project ID
100964201

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Collection Date/Time
July 19, 2023 2:00 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.658	0.829	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.672	0.885	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.344	0.836	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.272	0.827	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.192	0.836	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.187	0.214	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.137	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.701	1.11	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.32	5.53	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.66	5.53	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.676	2.21	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.199	0.221	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.771	2.21	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.219	0.221	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 05:57	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		106 %	25-150								
Surrogate: M5PFHxA		109 %	25-150								
Surrogate: M4PFHpA		95.1 %	25-150								
Surrogate: M3PFHxS		103 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		101 %	25-150								
Surrogate: M6PFDA		98.9 %	25-150								
Surrogate: M7PFUdA		104 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		93.6 %	25-150								
Surrogate: M2PFTeDA		63.7 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.823 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		100 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		14.5 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfo		96.9 %	10-150								



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 2:00 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	90.9 %			25-150						
	Surrogate: d5-N-EtFOSAA	101 %			25-150						
	Surrogate: M2-6:2 FTS	69.6 %			25-200						
	Surrogate: M2-8:2 FTS	66.4 %			25-200						
	Surrogate: M9PFNA	93.0 %			25-150						
	Surrogate: M2-4:2 FTS	70.4 %			25-150						
	Surrogate: d-N-MeFOSA	49.2 %			25-150						
	Surrogate: d-N-EtFOSA	31.1 %			25-150						
	Surrogate: M3HFPO-DA	117 %			25-150						
	Surrogate: d9-N-EtFOSE	36.2 %			25-150						
	Surrogate: d7-N-MeFOSE	51.1 %			25-150						

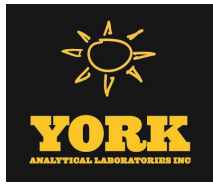
PEST, 8081 MASTER

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	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/02/2023 17:20	08/03/2023 17:24	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 2:00 pm

Date Received

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:24	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B Certifications:	08/02/2023 17:20	08/03/2023 17:24	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	102 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.7 %	30-150							

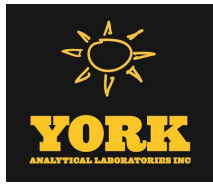
PCB, 8082 MASTER

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	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:37	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	08/02/2023 17:20	08/03/2023 19:37	BCJ



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 2:00 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	74.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %			30-120					

HERB, 8151 MASTER

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	0.0223	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:41	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:41	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:41	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	68.0 %			21-150					

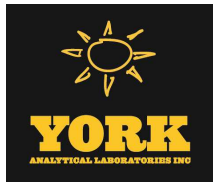
Metals, Target Analyte

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	2670		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-36-0	Antimony	12.7		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-38-2	Arsenic	18.5		mg/kg dry	1.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-39-3	Barium	65.7		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-41-7	Beryllium	0.063		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.279	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-70-2	Calcium	805		mg/kg dry	4.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-47-3	Chromium	7.73		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-48-4	Cobalt	8.44		mg/kg dry	0.371	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-50-8	Copper	44.7		mg/kg dry	1.86	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 2:00 pm

Date Received

07/20/2023

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
7439-89-6	Iron	28200		mg/kg dry	23.2	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7439-92-1	Lead	147		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7439-95-4	Magnesium	432		mg/kg dry	4.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7439-96-5	Manganese	235		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-02-0	Nickel	15.9		mg/kg dry	0.925	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-09-7	Potassium	385		mg/kg dry	4.65	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-22-4	Silver	ND		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-23-5	Sodium	71.0		mg/kg dry	46.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-28-0	Thallium	20.4		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-62-2	Vanadium	15.3		mg/kg dry	0.925	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG
7440-66-6	Zinc	223		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:14	CEG

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	0.636		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.557	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/07/2023 09:11	08/07/2023 16:08	JAMT

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 23G1244-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:00 pm

07/20/2023

16065-83-1 * Chromium, Trivalent 7.73 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 17:07 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	0.557	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 14:20	08/02/2023 21:35	SL

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	89.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/02/2023 07:43	08/02/2023 14:06	sgs



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

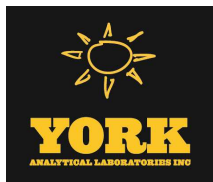
VOA, 8260 MASTER

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 15:18	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-35-4	1,1-Dichloroethylene	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 15:18	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

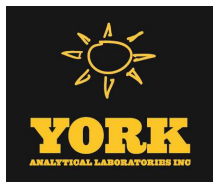
VOA, 8260 MASTER

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	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 15:18	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
67-64-1	Acetone	0.018		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
107-02-8	Acrolein	ND	CCVE	mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
74-83-9	Bromomethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-00-3	Chloroethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
74-87-3	Chloromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

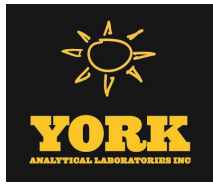
VOA, 8260 MASTER

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

VOA, 8260 MASTER

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	QL-02	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
75-69-4	Trichlorofluoromethane	ND	QL-02, CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/26/2023 09:52	07/26/2023 15:18	BMC
75-01-4	Vinyl Chloride	ND	CCVE	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/26/2023 09:52	07/26/2023 15:18	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/26/2023 09:52	07/26/2023 15:18	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.7 %	76-130								

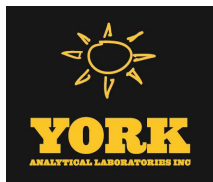
SVOA, 8270 MASTER

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	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

SVOA, 8270 MASTER

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	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH





Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

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Soil

July 19, 2023 2:15 pm

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
62-53-3	Aniline	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
92-87-5	Benzidine	ND	CCVE	mg/kg dry	0.176	0.353	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

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23G1244

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Soil

July 19, 2023 2:15 pm

07/20/2023

SVOA, 8270 MASTER

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	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

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23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

SVOA, 8270 MASTER

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	CAL-E	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:19	08/04/2023 20:40	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.6 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	56.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	66.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.6 %	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 Certifications: NELAC-NY10854	08/02/2023 18:15	08/04/2023 00:07	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	51.3 %	39-127.5							

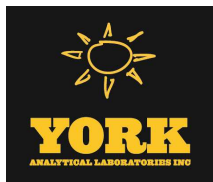
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.118	0.188	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0562	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.111	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.190	0.194	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.182	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.177	0.197	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.200	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.202	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.210	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.173	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.132	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.109	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.157	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.206	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.116	0.424	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.155	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.164	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.202	0.205	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.631	0.806	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.800	0.814	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.116	0.848	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/03/2023 16:15	08/08/2023 06:29	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.147	0.377	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.205	0.424	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0657	0.424	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.102	0.424	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.166	0.199	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 2:15 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.631	0.795	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.644	0.848	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.330	0.801	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.261	0.793	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.184	0.801	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.179	0.206	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.131	0.203	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.672	1.06	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.22	5.30	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.59	5.30	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.648	2.12	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.191	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.739	2.12	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.210	0.212	1	EPA 1633 Draft 3 Certifications:	08/03/2023 16:15	08/08/2023 06:29	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		82.9 %	25-150								
Surrogate: M5PFHxA		102 %	25-150								
Surrogate: M4PFHpA		93.0 %	25-150								
Surrogate: M3PFHxS		105 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic aci		97.5 %	25-150								
Surrogate: M6PFDA		94.3 %	25-150								
Surrogate: M7PFUdA		99.7 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		84.5 %	25-150								
Surrogate: M2PFTeDA		60.9 %	10-150								
Surrogate: Perfluoro-n-[13C4]butanoic aci		0.704 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfoi		95.4 %	25-150								
Surrogate: Perfluoro-n-[13C5]pentanoic ac		3.60 %	25-150								
Surrogate: Perfluoro-1-[13C8]octanesulfoi		97.2 %	10-150								



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.
23G1244

Client Project ID
100964201

Matrix
Soil

Collection Date/Time
July 19, 2023 2:15 pm

Date Received
07/20/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	82.5 %			25-150						
	Surrogate: d5-N-EtFOSAA	89.6 %			25-150						
	Surrogate: M2-6:2 FTS	73.6 %			25-200						
	Surrogate: M2-8:2 FTS	68.7 %			25-200						
	Surrogate: M9PFNA	106 %			25-150						
	Surrogate: M2-4:2 FTS	69.9 %			25-150						
	Surrogate: d-N-MeFOSA	47.8 %			25-150						
	Surrogate: d-N-EtFOSA	43.5 %			25-150						
	Surrogate: M3HFPO-DA	101 %			25-150						
	Surrogate: d9-N-EtFOSE	42.4 %			25-150						
	Surrogate: d7-N-MeFOSE	50.6 %			25-150						

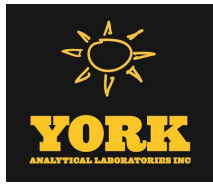
PEST, 8081 MASTER

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	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	08/02/2023 17:20	08/03/2023 17:41	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

PEST, 8081 MASTER

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
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 17:41	BCJ
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B Certifications:	08/02/2023 17:20	08/03/2023 17:41	BCJ
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	105 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	73.8 %		30-150						

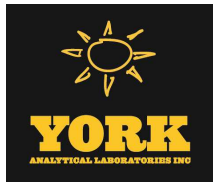
PCB, 8082 MASTER

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	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 17:20	08/03/2023 19:51	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/02/2023 17:20	08/03/2023 19:51	BCJ



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

23G1244

Client Project ID

100964201

Matrix

Soil

Collection Date/Time

July 19, 2023 2:15 pm

Date Received

07/20/2023

PCB, 8082 MASTER

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
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	82.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %			30-120					

HERB, 8151 MASTER

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	0.0215	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:52	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:52	BCJ
94-75-7	2,4-D	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/02/2023 14:29	08/04/2023 22:52	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	70.4 %			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	4700		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-36-0	Antimony	4.02		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-38-2	Arsenic	3.52		mg/kg dry	1.35	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-39-3	Barium	21.4		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-41-7	Beryllium	0.096		mg/kg dry	0.045	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-43-9	Cadmium	ND		mg/kg dry	0.269	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-70-2	Calcium	924		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-47-3	Chromium	8.77		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-48-4	Cobalt	3.98		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-50-8	Copper	8.95		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

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
7439-89-6	Iron	9080		mg/kg dry	22.4	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7439-92-1	Lead	13.5		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7439-95-4	Magnesium	1460		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7439-96-5	Manganese	204		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-02-0	Nickel	8.12		mg/kg dry	0.894	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-09-7	Potassium	500		mg/kg dry	4.49	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7782-49-2	Selenium	ND		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-22-4	Silver	ND		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-23-5	Sodium	131		mg/kg dry	44.9	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-28-0	Thallium	4.35		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-62-2	Vanadium	11.9		mg/kg dry	0.894	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG
7440-66-6	Zinc	150		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/04/2023 14:15	08/09/2023 11:17	CEG

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	ND		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP	08/08/2023 17:19	08/09/2023 12:38	AJL

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	0.538	1	EPA 7196A Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP	08/07/2023 09:11	08/07/2023 16:08	JAMT

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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ClientServices@



Sample Information

Client Sample ID: SB08_7-9

York Sample ID: 23G1244-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1244

100964201

Soil

July 19, 2023 2:15 pm

07/20/2023

16065-83-1 * Chromium, Trivalent 8.77 mg/kg 0.500 1 Calculation 08/09/2023 16:50 08/09/2023 17:07 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	0.538	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 14:20	08/02/2023 21:35	SL

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	92.9		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	08/02/2023 07:43	08/02/2023 14:06	sgs



Analytical Batch Summary

Batch ID: BG30860

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	07/26/23
23G1244-05	SB07_1-3	07/26/23
23G1244-06	SB07_3-5	07/26/23
23G1244-08	SB08_1-3	07/26/23
23G1244-09	SB08_3-5	07/26/23
23G1244-10	SB08_7-9	07/26/23
BG30860-BLK1	Blank	07/26/23
BG30860-BS1	LCS	07/26/23
BG30860-BSD1	LCS Dup	07/26/23

Batch ID: BG30861

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/27/23
23G1244-07	SB07_8-10	07/27/23
BG30861-BLK1	Blank	07/27/23
BG30861-BS1	LCS	07/27/23
BG30861-BSD1	LCS Dup	07/27/23

Batch ID: BG31394

Preparation Method: EPA 3550C

Prepared By: me

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/25/23
23G1244-04	SB05_6-8	07/25/23
23G1244-07	SB07_8-10	07/25/23
23G1244-07	SB07_8-10	07/25/23
23G1244-08	SB08_1-3	07/25/23
23G1244-08	SB08_1-3	07/25/23
BG31394-BLK1	Blank	07/25/23
BG31394-BLK2	Blank	07/25/23
BG31394-BS1	LCS	07/25/23
BG31394-BS2	LCS	07/25/23
BG31394-MS1	Matrix Spike	07/25/23
BG31394-MS2	Matrix Spike	07/25/23
BG31394-MSD1	Matrix Spike Dup	07/25/23
BG31394-MSD2	Matrix Spike Dup	07/25/23

Batch ID: BG31426

Preparation Method: EPA 1633 Prep

Prepared By: J D

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/25/23
23G1244-07	SB07_8-10	07/25/23
23G1244-08	SB08_1-3	07/25/23
BG31426-BLK1	Blank	07/25/23



BG31426-BS1	LCS	07/25/23
BG31426-BS2	LCS	07/25/23
BG31426-DUP1	Duplicate	07/25/23

Batch ID: BG31430 **Preparation Method:** EPA 1633 Prep **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-02	EB02_071923	07/26/23
BG31430-BLK1	Blank	07/26/23
BG31430-BS1	LCS	07/26/23
BG31430-BS2	LCS	07/26/23
BG31430-DUP1	Duplicate	07/26/23

Batch ID: BG31493 **Preparation Method:** EPA 3550C **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/26/23
23G1244-07	SB07_8-10	07/26/23
BG31493-BLK1	Blank	07/26/23
BG31493-BS1	LCS	07/26/23
BG31493-MS1	Matrix Spike	07/26/23
BG31493-MSD1	Matrix Spike Dup	07/26/23

Batch ID: BG31506 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/26/23
23G1244-07	SB07_8-10	07/26/23
BG31506-BLK1	Blank	07/26/23
BG31506-DUP1	Duplicate	07/26/23
BG31506-MS1	Matrix Spike	07/26/23
BG31506-MSD1	Matrix Spike Dup	07/26/23
BG31506-SRM1	Reference	07/26/23

Batch ID: BG31514 **Preparation Method:** EPA SW846-3060 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/26/23
23G1244-07	SB07_8-10	07/26/23
23G1244-08	SB08_1-3	07/26/23
BG31514-BLK1	Blank	07/26/23
BG31514-DUP1	Duplicate	07/26/23
BG31514-MS1	Matrix Spike	07/26/23
BG31514-MSD1	Matrix Spike Dup	07/26/23
BG31514-SRM1	Reference	07/26/23

Batch ID: BG31530 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SCB



YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/27/23
23G1244-07	SB07_8-10	07/27/23
23G1244-08	SB08_1-3	07/27/23
BG31530-BLK1	Blank	07/27/23
BG31530-BS1	LCS	07/27/23
BG31530-MS1	Matrix Spike	07/27/23
BG31530-MSD1	Matrix Spike Dup	07/27/23

Batch ID: BG31537 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/27/23
23G1244-07	SB07_8-10	07/27/23
23G1244-08	SB08_1-3	07/27/23
BG31537-DUP1	Duplicate	07/27/23

Batch ID: BG31546 **Preparation Method:** EPA 3550C **Prepared By:** me

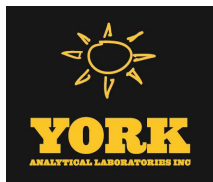
YORK Sample ID	Client Sample ID	Preparation Date
23G1244-08	SB08_1-3	07/27/23
BG31546-BLK1	Blank	07/27/23
BG31546-BS1	LCS	07/27/23
BG31546-MS1	Matrix Spike	07/27/23
BG31546-MSD1	Matrix Spike Dup	07/27/23

Batch ID: BG31567 **Preparation Method:** EPA 3550C **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/27/23
23G1244-07	SB07_8-10	07/27/23
23G1244-07RE1	SB07_8-10	07/27/23
23G1244-08	SB08_1-3	07/27/23
23G1244-08RE1	SB08_1-3	07/27/23
BG31567-BLK1	Blank	07/27/23
BG31567-BS1	LCS	07/27/23
BG31567-MS1	Matrix Spike	07/27/23
BG31567-MSD1	Matrix Spike Dup	07/27/23

Batch ID: BG31576 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/27/23
23G1244-07	SB07_8-10	07/27/23
23G1244-08	SB08_1-3	07/27/23
BG31576-BLK1	Blank	07/27/23
BG31576-DUP1	Duplicate	07/27/23
BG31576-MS1	Matrix Spike	07/27/23



BG31576-PS1 Post Spike 07/27/23
BG31576-SRM1 Reference 07/27/23

Batch ID: BG31581 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/27/23
23G1244-07	SB07_8-10	07/27/23
23G1244-08	SB08_1-3	07/27/23
BG31581-BLK1	Blank	07/27/23
BG31581-DUP1	Duplicate	07/27/23
BG31581-MS1	Matrix Spike	07/27/23
BG31581-SRM1	Reference	07/27/23

Batch ID: BG31589 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-08	SB08_1-3	07/27/23
BG31589-BLK1	Blank	07/27/23
BG31589-DUP1	Duplicate	07/27/23
BG31589-MS1	Matrix Spike	07/27/23
BG31589-MSD1	Matrix Spike Dup	07/27/23
BG31589-SRM1	Reference	07/27/23

Batch ID: BG31600 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-01	TB02_071923	07/26/23
BG31600-BLK1	Blank	07/26/23
BG31600-BS1	LCS	07/26/23
BG31600-BSD1	LCS Dup	07/26/23

Batch ID: BG31628 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-04	SB05_6-8	07/28/23
23G1244-07	SB07_8-10	07/28/23
23G1244-08	SB08_1-3	07/28/23

Batch ID: BH30087 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/02/23
23G1244-05	SB07_1-3	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-10	SB08_7-9	08/02/23
BH30087-DUP1	Duplicate	08/02/23



Batch ID: BH30115

Preparation Method: EPA 3550C

Prepared By: me

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/02/23
23G1244-03	SB05_1-3	08/02/23
23G1244-05	SB07_1-3	08/02/23
23G1244-05	SB07_1-3	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-10	SB08_7-9	08/02/23
23G1244-10	SB08_7-9	08/02/23
BH30115-BLK1	Blank	08/02/23
BH30115-BLK2	Blank	08/02/23
BH30115-BS1	LCS	08/02/23
BH30115-BS2	LCS	08/02/23
BH30115-MS1	Matrix Spike	08/02/23
BH30115-MS2	Matrix Spike	08/02/23
BH30115-MSD1	Matrix Spike Dup	08/02/23
BH30115-MSD2	Matrix Spike Dup	08/02/23

Batch ID: BH30118

Preparation Method: EPA 3550C

Prepared By: me

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/02/23
23G1244-05	SB07_1-3	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-10	SB08_7-9	08/02/23
BH30118-BLK1	Blank	08/02/23
BH30118-BS1	LCS	08/02/23
BH30118-MS1	Matrix Spike	08/02/23
BH30118-MSD1	Matrix Spike Dup	08/02/23

Batch ID: BH30120

Preparation Method: EPA 3546 SVOA

Prepared By: me

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-05	SB07_1-3	08/02/23
23G1244-05RE1	SB07_1-3	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-06RE1	SB07_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-09RE1	SB08_3-5	08/02/23
23G1244-10	SB08_7-9	08/02/23
BH30120-BLK1	Blank	08/02/23
BH30120-BS1	LCS	08/02/23
BH30120-MS1	Matrix Spike	08/02/23
BH30120-MSD1	Matrix Spike Dup	08/02/23



Batch ID: BH30121

Preparation Method: Analysis Preparation Soil

Prepared By: SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/02/23
23G1244-05	SB07_1-3	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-10	SB08_7-9	08/02/23
BH30121-BLK1	Blank	08/02/23
BH30121-DUP1	Duplicate	08/02/23
BH30121-MS1	Matrix Spike	08/02/23
BH30121-MSD1	Matrix Spike Dup	08/02/23
BH30121-SRM1	Reference	08/02/23

Batch ID: BH30124

Preparation Method: EPA 3550C/8151A

Prepared By: SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-05	SB07_1-3	08/02/23
23G1244-06	SB07_3-5	08/02/23
23G1244-09	SB08_3-5	08/02/23
23G1244-10	SB08_7-9	08/02/23
BH30124-BLK1	Blank	08/02/23
BH30124-BS1	LCS	08/02/23
BH30124-MS1	Matrix Spike	08/02/23
BH30124-MSD1	Matrix Spike Dup	08/02/23

Batch ID: BH30145

Preparation Method: EPA 1633 Prep

Prepared By: AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/03/23
23G1244-05	SB07_1-3	08/03/23
23G1244-06	SB07_3-5	08/03/23
23G1244-09	SB08_3-5	08/03/23
23G1244-10	SB08_7-9	08/03/23
BH30145-BLK1	Blank	08/03/23
BH30145-BS1	LCS	08/03/23
BH30145-BS2	LCS	08/03/23
BH30145-DUP1	Duplicate	08/03/23

Batch ID: BH30314

Preparation Method: EPA SW846-3060

Prepared By: SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/04/23
23G1244-05	SB07_1-3	08/04/23
BH30314-BLK1	Blank	08/04/23
BH30314-DUP1	Duplicate	08/04/23
BH30314-MS1	Matrix Spike	08/04/23
BH30314-MSD1	Matrix Spike Dup	08/04/23



BH30314-SRM1

Reference

08/04/23

Batch ID: BH30315**Preparation Method:** EPA 3050B**Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/04/23
23G1244-05	SB07_1-3	08/04/23
23G1244-06	SB07_3-5	08/04/23
23G1244-09	SB08_3-5	08/04/23
23G1244-10	SB08_7-9	08/04/23
BH30315-BLK1	Blank	08/04/23
BH30315-DUP1	Duplicate	08/04/23
BH30315-MS1	Matrix Spike	08/04/23
BH30315-PS1	Post Spike	08/04/23
BH30315-SRM1	Reference	08/04/23

Batch ID: BH30401**Preparation Method:** EPA SW846-3060**Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-06	SB07_3-5	08/07/23
23G1244-09	SB08_3-5	08/07/23
23G1244-10	SB08_7-9	08/07/23
BH30401-BLK1	Blank	08/07/23
BH30401-DUP1	Duplicate	08/07/23
BH30401-MS1	Matrix Spike	08/07/23
BH30401-MSD1	Matrix Spike Dup	08/07/23
BH30401-SRM1	Reference	08/07/23

Batch ID: BH30419**Preparation Method:** EPA 3550C**Prepared By:** moa

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/07/23
23G1244-03RE1	SB05_1-3	08/07/23
BH30419-BLK1	Blank	08/07/23
BH30419-BS1	LCS	08/07/23
BH30419-MS1	Matrix Spike	08/07/23
BH30419-MSD1	Matrix Spike Dup	08/07/23

Batch ID: BH30421**Preparation Method:** EPA 3550C/8151A**Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/02/23
BH30421-BLK1	Blank	08/07/23
BH30421-BS1	LCS	08/07/23
BH30421-MS1	Matrix Spike	08/07/23
BH30421-MSD1	Matrix Spike Dup	08/07/23



Batch ID: BH30541

Preparation Method: EPA 7473 soil

Prepared By: AJL

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/08/23
23G1244-05	SB07_1-3	08/08/23
23G1244-06	SB07_3-5	08/08/23
23G1244-09	SB08_3-5	08/08/23
23G1244-10	SB08_7-9	08/08/23
BH30541-BLK1	Blank	08/08/23
BH30541-DUP1	Duplicate	08/08/23
BH30541-MS1	Matrix Spike	08/08/23
BH30541-SRM1	Reference	08/08/23

Batch ID: BH30631

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
23G1244-03	SB05_1-3	08/09/23
23G1244-05	SB07_1-3	08/09/23
23G1244-06	SB07_3-5	08/09/23
23G1244-09	SB08_3-5	08/09/23
23G1244-10	SB08_7-9	08/09/23



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30860 - EPA 5035A

Blank (BG30860-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
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	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30860 - EPA 5035A

Blank (BG30860-BLK1)	Blank										Prepared & Analyzed: 07/26/2023
Hexachlorobutadiene	ND	0.0050	mg/kg wet								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methyleyclohexane	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	51.3		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	50.2		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.9		"	50.0		95.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30860 - EPA 5035A											
LCS (BG30860-BS1)	LCS		Prepared & Analyzed: 07/26/2023								
1,1,1,2-Tetrachloroethane	48.7		ug/L	50.0		97.4	75-129				
1,1,1-Trichloroethane	46.3		"	50.0		92.7	71-137				
1,1,2,2-Tetrachloroethane	48.2		"	50.0		96.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	35.5		"	50.0		71.0	58-146				
1,1,2-Trichloroethane	46.1		"	50.0		92.3	83-123				
1,1-Dichloroethane	42.9		"	50.0		85.8	75-130				
1,1-Dichloroethylene	35.0		"	50.0		70.0	64-137				
1,1-Dichloropropylene	43.0		"	50.0		85.9	77-127				
1,2,3-Trichlorobenzene	59.1		"	50.0		118	81-140				
1,2,3-Trichloropropane	49.1		"	50.0		98.2	81-126				
1,2,4-Trichlorobenzene	60.6		"	50.0		121	80-141				
1,2,4-Trimethylbenzene	49.6		"	50.0		99.3	84-125				
1,2-Dibromo-3-chloropropane	51.9		"	50.0		104	74-142				
1,2-Dibromoethane	48.8		"	50.0		97.6	86-123				
1,2-Dichlorobenzene	50.6		"	50.0		101	85-122				
1,2-Dichloroethane	44.6		"	50.0		89.2	71-133				
1,2-Dichloropropane	46.6		"	50.0		93.3	81-122				
1,3,5-Trimethylbenzene	50.5		"	50.0		101	82-126				
1,3-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,3-Dichloropropane	44.8		"	50.0		89.6	83-123				
1,4-Dichlorobenzene	52.0		"	50.0		104	84-124				
1,4-Dioxane	98.0		"	1050		93.3	10-228				
2,2-Dichloropropane	51.8		"	50.0		104	67-136				
2-Butanone	49.2		"	50.0		98.3	58-147				
2-Chlorotoluene	47.1		"	50.0		94.2	78-127				
2-Hexanone	52.4		"	50.0		105	70-139				
4-Chlorotoluene	46.9		"	50.0		93.8	79-125				
4-Methyl-2-pentanone	48.8		"	50.0		97.7	72-132				
Acetone	33.0		"	50.0		66.0	36-155				
Acrolein	48.8		"	50.0		97.5	10-238				
Acrylonitrile	47.3		"	50.0		94.5	66-141				
Benzene	43.3		"	50.0		86.6	77-127				
Bromobenzene	47.8		"	50.0		95.5	77-129				
Bromochloromethane	43.4		"	50.0		86.8	74-129				
Bromodichloromethane	46.5		"	50.0		93.0	81-124				
Bromoform	59.2		"	50.0		118	80-136				
Bromomethane	26.1		"	50.0		52.2	32-177				
Carbon disulfide	35.2		"	50.0		70.4	10-136				
Carbon tetrachloride	48.4		"	50.0		96.8	66-143				
Chlorobenzene	46.4		"	50.0		92.8	86-120				
Chloroethane	29.9		"	50.0		59.8	51-142				
Chloroform	43.3		"	50.0		86.6	76-131				
Chloromethane	29.4		"	50.0		58.9	49-132				
cis-1,2-Dichloroethylene	44.6		"	50.0		89.3	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		97.0	81-129				
Cyclohexane	43.4		"	50.0		86.7	70-130				
Dibromochloromethane	52.7		"	50.0		105	10-200				
Dibromomethane	44.1		"	50.0		88.2	83-124				
Dichlorodifluoromethane	27.2		"	50.0		54.5	28-158				
Ethyl Benzene	47.2		"	50.0		94.4	84-125				
Hexachlorobutadiene	61.7		"	50.0		123	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30860 - EPA 5035A

LCS (BG30860-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
Isopropylbenzene	48.8	ug/L	50.0	97.6	81-127						
Methyl acetate	35.8	"	50.0	71.6	41-143						
Methyl tert-butyl ether (MTBE)	48.9	"	50.0	97.7	74-131						
Methylcyclohexane	44.2	"	50.0	88.4	70-130						
Methylene chloride	43.3	"	50.0	86.6	57-141						
n-Butylbenzene	46.9	"	50.0	93.8	80-130						
n-Propylbenzene	46.0	"	50.0	92.0	74-136						
o-Xylene	48.0	"	50.0	96.0	83-123						
p- & m- Xylenes	91.7	"	100	91.7	82-128						
p-Isopropyltoluene	49.7	"	50.0	99.4	85-125						
sec-Butylbenzene	47.4	"	50.0	94.7	83-125						
Styrene	48.1	"	50.0	96.3	86-126						
tert-Butyl alcohol (TBA)	198	"	250	79.1	70-130						
tert-Butylbenzene	48.6	"	50.0	97.2	80-127						
Tetrachloroethylene	39.8	"	50.0	79.5	80-129	Low Bias					
Toluene	46.3	"	50.0	92.7	85-121						
trans-1,2-Dichloroethylene	44.1	"	50.0	88.2	72-132						
trans-1,3-Dichloropropylene	52.2	"	50.0	104	78-132						
Trichloroethylene	47.0	"	50.0	94.0	84-123						
Trichlorofluoromethane	32.0	"	50.0	64.1	62-140						
Vinyl acetate	55.7	"	50.0	111	67-136						
Vinyl Chloride	30.6	"	50.0	61.1	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	51.0	"	50.0	102	77-125						
Surrogate: SURR: Toluene-d8	50.1	"	50.0	100	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.9	"	50.0	102	76-130						

LCS Dup (BG30860-BSD1)	LCS Dup	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	49.0	ug/L	50.0	98.0	75-129	0.634	30				
1,1,1-Trichloroethane	45.8	"	50.0	91.6	71-137	1.19	30				
1,1,2,2-Tetrachloroethane	48.5	"	50.0	97.0	79-129	0.682	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	34.7	"	50.0	69.3	58-146	2.37	30				
1,1,2-Trichloroethane	46.0	"	50.0	91.9	83-123	0.369	30				
1,1-Dichloroethane	42.2	"	50.0	84.4	75-130	1.64	30				
1,1-Dichloroethylene	35.0	"	50.0	70.0	64-137	0.0286	30				
1,1-Dichloropropylene	42.1	"	50.0	84.2	77-127	2.05	30				
1,2,3-Trichlorobenzene	56.8	"	50.0	114	81-140	3.93	30				
1,2,3-Trichloropropane	49.7	"	50.0	99.4	81-126	1.26	30				
1,2,4-Trichlorobenzene	59.3	"	50.0	119	80-141	2.17	30				
1,2,4-Trimethylbenzene	48.5	"	50.0	96.9	84-125	2.36	30				
1,2-Dibromo-3-chloropropane	52.9	"	50.0	106	74-142	2.04	30				
1,2-Dibromoethane	49.4	"	50.0	98.9	86-123	1.32	30				
1,2-Dichlorobenzene	49.7	"	50.0	99.4	85-122	1.74	30				
1,2-Dichloroethane	43.7	"	50.0	87.5	71-133	1.92	30				
1,2-Dichloropropane	46.2	"	50.0	92.4	81-122	0.926	30				
1,3,5-Trimethylbenzene	48.7	"	50.0	97.4	82-126	3.51	30				
1,3-Dichlorobenzene	50.0	"	50.0	100	84-124	2.27	30				
1,3-Dichloropropane	44.8	"	50.0	89.6	83-123	0.0447	30				
1,4-Dichlorobenzene	50.8	"	50.0	102	84-124	2.28	30				
1,4-Dioxane	950	"	1050	90.5	10-228	3.10	30				
2,2-Dichloropropane	51.0	"	50.0	102	67-136	1.54	30				
2-Butanone	55.9	"	50.0	112	58-147	12.9	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30860 - EPA 5035A											
LCS Dup (BG30860-BSD1)	LCS Dup		Prepared & Analyzed: 07/26/2023								
2-Chlorotoluene	45.8		ug/L	50.0		91.6	78-127		2.80	30	
2-Hexanone	53.5		"	50.0		107	70-139		2.00	30	
4-Chlorotoluene	50.9		"	50.0		102	79-125		8.18	30	
4-Methyl-2-pentanone	49.9		"	50.0		99.7	72-132		2.11	30	
Acetone	34.2		"	50.0		68.3	36-155		3.43	30	
Acrolein	49.6		"	50.0		99.2	10-238		1.69	30	
Acrylonitrile	47.0		"	50.0		94.0	66-141		0.594	30	
Benzene	43.2		"	50.0		86.3	77-127		0.301	30	
Bromobenzene	47.3		"	50.0		94.7	77-129		0.883	30	
Bromochloromethane	42.4		"	50.0		84.8	74-129		2.33	30	
Bromodichloromethane	46.0		"	50.0		91.9	81-124		1.13	30	
Bromoform	60.0		"	50.0		120	80-136		1.27	30	
Bromomethane	26.0		"	50.0		51.9	32-177		0.576	30	
Carbon disulfide	34.8		"	50.0		69.5	10-136		1.23	30	
Carbon tetrachloride	47.5		"	50.0		95.0	66-143		1.88	30	
Chlorobenzene	46.1		"	50.0		92.2	86-120		0.627	30	
Chloroethane	29.3		"	50.0		58.5	51-142		2.23	30	
Chloroform	43.0		"	50.0		86.1	76-131		0.579	30	
Chloromethane	28.8		"	50.0		57.6	49-132		2.16	30	
cis-1,2-Dichloroethylene	44.6		"	50.0		89.3	74-132		0.00	30	
cis-1,3-Dichloropropylene	48.5		"	50.0		97.1	81-129		0.124	30	
Cyclohexane	42.3		"	50.0		84.6	70-130		2.52	30	
Dibromochloromethane	53.0		"	50.0		106	10-200		0.568	30	
Dibromomethane	43.7		"	50.0		87.4	83-124		0.957	30	
Dichlorodifluoromethane	26.1		"	50.0		52.2	28-158		4.31	30	
Ethyl Benzene	46.4		"	50.0		92.7	84-125		1.84	30	
Hexachlorobutadiene	59.8		"	50.0		120	83-133		3.18	30	
Isopropylbenzene	47.4		"	50.0		94.8	81-127		2.89	30	
Methyl acetate	35.9		"	50.0		71.7	41-143		0.251	30	
Methyl tert-butyl ether (MTBE)	49.6		"	50.0		99.1	74-131		1.38	30	
Methylcyclohexane	43.7		"	50.0		87.5	70-130		1.07	30	
Methylene chloride	43.0		"	50.0		85.9	57-141		0.765	30	
n-Butylbenzene	45.4		"	50.0		90.8	80-130		3.25	30	
n-Propylbenzene	45.1		"	50.0		90.1	74-136		2.00	30	
o-Xylene	47.8		"	50.0		95.7	83-123		0.292	30	
p- & m- Xylenes	90.7		"	100		90.7	82-128		1.11	30	
p-Isopropyltoluene	48.4		"	50.0		96.7	85-125		2.75	30	
sec-Butylbenzene	46.2		"	50.0		92.4	83-125		2.42	30	
Styrene	47.8		"	50.0		95.7	86-126		0.625	30	
tert-Butyl alcohol (TBA)	204		"	250		81.5	70-130		3.00	30	
tert-Butylbenzene	47.5		"	50.0		95.1	80-127		2.25	30	
Tetrachloroethylene	39.4		"	50.0		78.8	80-129	Low Bias	0.985	30	
Toluene	46.1		"	50.0		92.2	85-121		0.476	30	
trans-1,2-Dichloroethylene	43.7		"	50.0		87.4	72-132		0.911	30	
trans-1,3-Dichloropropylene	52.1		"	50.0		104	78-132		0.0959	30	
Trichloroethylene	45.6		"	50.0		91.2	84-123		2.98	30	
Trichlorofluoromethane	30.4		"	50.0		60.9	62-140	Low Bias	5.15	30	
Vinyl acetate	56.1		"	50.0		112	67-136		0.733	30	
Vinyl Chloride	29.6		"	50.0		59.1	52-130		3.29	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: SURRE: Toluene-d8	49.9		"	50.0		99.8	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30860 - EPA 5035A

LCS Dup (BG30860-BSD1) LCS Dup

Prepared & Analyzed: 07/26/2023

Surrogate: SURR: p-Bromofluorobenzene 50.2 ug/L 50.0 100 76-130

Batch BG30861 - EPA 5035A

Blank (BG30861-BLK1) Blank

Prepared: 07/27/2023 Analyzed: 07/28/2023

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	0.0065	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30861 - EPA 5035A

Blank (BG30861-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023									
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	51.4		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	45.2		"	50.0		90.5	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30861 - EPA 5035A

LCS (BG30861-BS1)	LCS	Prepared & Analyzed: 07/27/2023									
1,1,1,2-Tetrachloroethane	54.6		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	53.8		"	50.0		108	71-137				
1,1,2,2-Tetrachloroethane	47.9		"	50.0		95.8	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.2		"	50.0		102	58-146				
1,1,2-Trichloroethane	47.2		"	50.0		94.3	83-123				
1,1-Dichloroethane	46.8		"	50.0		93.7	75-130				
1,1-Dichloroethylene	47.7		"	50.0		95.3	64-137				
1,1-Dichloropropylene	45.9		"	50.0		91.8	77-127				
1,2,3-Trichlorobenzene	48.2		"	50.0		96.5	81-140				
1,2,3-Trichloropropane	50.7		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	48.0		"	50.0		96.0	80-141				
1,2,4-Trimethylbenzene	46.1		"	50.0		92.1	84-125				
1,2-Dibromo-3-chloropropane	48.8		"	50.0		97.7	74-142				
1,2-Dibromoethane	50.0		"	50.0		99.9	86-123				
1,2-Dichlorobenzene	46.4		"	50.0		92.8	85-122				
1,2-Dichloroethane	49.3		"	50.0		98.5	71-133				
1,2-Dichloropropane	46.3		"	50.0		92.7	81-122				
1,3,5-Trimethylbenzene	45.8		"	50.0		91.6	82-126				
1,3-Dichlorobenzene	47.0		"	50.0		94.0	84-124				
1,3-Dichloropropane	45.6		"	50.0		91.2	83-123				
1,4-Dichlorobenzene	46.5		"	50.0		93.0	84-124				
1,4-Dioxane	998		"	1050		95.0	10-228				
2,2-Dichloropropane	47.7		"	50.0		95.4	67-136				
2-Butanone	57.2		"	50.0		114	58-147				
2-Chlorotoluene	46.0		"	50.0		92.1	78-127				
2-Hexanone	50.4		"	50.0		101	70-139				
4-Chlorotoluene	44.2		"	50.0		88.4	79-125				
4-Methyl-2-pentanone	53.6		"	50.0		107	72-132				
Acetone	58.9		"	50.0		118	36-155				
Acrolein	9.23		"	50.0		18.5	10-238				
Acrylonitrile	52.5		"	50.0		105	66-141				
Benzene	47.9		"	50.0		95.8	77-127				
Bromobenzene	43.1		"	50.0		86.3	77-129				
Bromochloromethane	50.5		"	50.0		101	74-129				
Bromodichloromethane	48.6		"	50.0		97.2	81-124				
Bromoform	54.5		"	50.0		109	80-136				
Bromomethane	43.5		"	50.0		86.9	32-177				
Carbon disulfide	38.4		"	50.0		76.8	10-136				
Carbon tetrachloride	60.2		"	50.0		120	66-143				
Chlorobenzene	49.5		"	50.0		99.1	86-120				
Chloroethane	51.9		"	50.0		104	51-142				
Chloroform	48.7		"	50.0		97.4	76-131				
Chloromethane	32.5		"	50.0		64.9	49-132				
cis-1,2-Dichloroethylene	48.8		"	50.0		97.6	74-132				
cis-1,3-Dichloropropylene	48.4		"	50.0		96.8	81-129				
Cyclohexane	47.5		"	50.0		95.0	70-130				
Dibromochloromethane	56.7		"	50.0		113	10-200				
Dibromomethane	46.6		"	50.0		93.2	83-124				
Dichlorodifluoromethane	24.6		"	50.0		49.2	28-158				
Ethyl Benzene	46.7		"	50.0		93.4	84-125				
Hexachlorobutadiene	49.5		"	50.0		99.1	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30861 - EPA 5035A

LCS (BG30861-BS1)	LCS	Prepared & Analyzed: 07/27/2023									
Isopropylbenzene	46.6	ug/L	50.0	93.2	81-127						
Methyl acetate	55.1	"	50.0	110	41-143						
Methyl tert-butyl ether (MTBE)	51.5	"	50.0	103	74-131						
Methylcyclohexane	45.5	"	50.0	91.1	70-130						
Methylene chloride	48.2	"	50.0	96.3	57-141						
n-Butylbenzene	44.2	"	50.0	88.5	80-130						
n-Propylbenzene	45.2	"	50.0	90.5	74-136						
o-Xylene	47.9	"	50.0	95.8	83-123						
p- & m- Xylenes	94.1	"	100	94.1	82-128						
p-Isopropyltoluene	46.6	"	50.0	93.3	85-125						
sec-Butylbenzene	46.1	"	50.0	92.2	83-125						
Styrene	47.2	"	50.0	94.3	86-126						
tert-Butyl alcohol (TBA)	259	"	250	104	70-130						
tert-Butylbenzene	46.9	"	50.0	93.9	80-127						
Tetrachloroethylene	36.2	"	50.0	72.4	80-129	Low Bias					
Toluene	45.6	"	50.0	91.2	85-121						
trans-1,2-Dichloroethylene	48.1	"	50.0	96.2	72-132						
trans-1,3-Dichloropropylene	45.4	"	50.0	90.7	78-132						
Trichloroethylene	46.9	"	50.0	93.8	84-123						
Trichlorofluoromethane	49.5	"	50.0	99.0	62-140						
Vinyl acetate	50.7	"	50.0	101	67-136						
Vinyl Chloride	37.3	"	50.0	74.5	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	50.4	"	50.0	101	77-125						
Surrogate: SURR: Toluene-d8	49.6	"	50.0	99.2	85-120						
Surrogate: SURR: p-Bromofluorobenzene	48.9	"	50.0	97.8	76-130						

LCS Dup (BG30861-BSD1)	LCS Dup	Prepared: 07/27/2023 Analyzed: 07/28/2023									
1,1,1,2-Tetrachloroethane	55.0	ug/L	50.0	110	75-129	0.748	30				
1,1,1-Trichloroethane	53.7	"	50.0	107	71-137	0.223	30				
1,1,2,2-Tetrachloroethane	49.2	"	50.0	98.4	79-129	2.70	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.6	"	50.0	105	58-146	2.80	30				
1,1,2-Trichloroethane	47.3	"	50.0	94.6	83-123	0.318	30				
1,1-Dichloroethane	47.1	"	50.0	94.1	75-130	0.447	30				
1,1-Dichloroethylene	48.4	"	50.0	96.8	64-137	1.50	30				
1,1-Dichloropropylene	45.1	"	50.0	90.3	77-127	1.69	30				
1,2,3-Trichlorobenzene	49.8	"	50.0	99.5	81-140	3.10	30				
1,2,3-Trichloropropane	51.4	"	50.0	103	81-126	1.45	30				
1,2,4-Trichlorobenzene	50.2	"	50.0	100	80-141	4.38	30				
1,2,4-Trimethylbenzene	46.0	"	50.0	91.9	84-125	0.217	30				
1,2-Dibromo-3-chloropropane	50.6	"	50.0	101	74-142	3.58	30				
1,2-Dibromoethane	51.3	"	50.0	103	86-123	2.65	30				
1,2-Dichlorobenzene	46.8	"	50.0	93.7	85-122	0.965	30				
1,2-Dichloroethane	50.0	"	50.0	100	71-133	1.59	30				
1,2-Dichloropropane	47.0	"	50.0	94.0	81-122	1.44	30				
1,3,5-Trimethylbenzene	45.6	"	50.0	91.2	82-126	0.438	30				
1,3-Dichlorobenzene	46.8	"	50.0	93.5	84-124	0.533	30				
1,3-Dichloropropane	46.3	"	50.0	92.6	83-123	1.50	30				
1,4-Dichlorobenzene	47.2	"	50.0	94.3	84-124	1.45	30				
1,4-Dioxane	1010	"	1050	96.3	10-228	1.32	30				
2,2-Dichloropropane	47.2	"	50.0	94.3	67-136	1.12	30				
2-Butanone	59.0	"	50.0	118	58-147	3.10	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG30861 - EPA 5035A											
LCS Dup (BG30861-BS1)	LCS Dup		Prepared: 07/27/2023 Analyzed: 07/28/2023								
2-Chlorotoluene	46.0		ug/L	50.0		92.1	78-127		0.0217	30	
2-Hexanone	50.8		"	50.0		102	70-139		0.909	30	
4-Chlorotoluene	49.0		"	50.0		98.0	79-125		10.2	30	
4-Methyl-2-pentanone	54.3		"	50.0		109	72-132		1.24	30	
Acetone	60.8		"	50.0		122	36-155		3.16	30	
Acrolein	8.11		"	50.0		16.2	10-238		12.9	30	
Acrylonitrile	51.9		"	50.0		104	66-141		1.23	30	
Benzene	47.9		"	50.0		95.8	77-127		0.0209	30	
Bromobenzene	43.5		"	50.0		86.9	77-129		0.762	30	
Bromochloromethane	50.8		"	50.0		102	74-129		0.533	30	
Bromodichloromethane	48.3		"	50.0		96.6	81-124		0.619	30	
Bromoform	54.7		"	50.0		109	80-136		0.366	30	
Bromomethane	44.6		"	50.0		89.3	32-177		2.70	30	
Carbon disulfide	38.8		"	50.0		77.7	10-136		1.09	30	
Carbon tetrachloride	58.9		"	50.0		118	66-143		2.22	30	
Chlorobenzene	50.3		"	50.0		101	86-120		1.54	30	
Chloroethane	51.3		"	50.0		103	51-142		1.16	30	
Chloroform	48.5		"	50.0		97.0	76-131		0.412	30	
Chloromethane	33.0		"	50.0		66.0	49-132		1.65	30	
cis-1,2-Dichloroethylene	48.6		"	50.0		97.3	74-132		0.328	30	
cis-1,3-Dichloropropylene	47.9		"	50.0		95.7	81-129		1.12	30	
Cyclohexane	46.7		"	50.0		93.4	70-130		1.68	30	
Dibromochloromethane	56.1		"	50.0		112	10-200		0.922	30	
Dibromomethane	47.0		"	50.0		93.9	83-124		0.705	30	
Dichlorodifluoromethane	25.2		"	50.0		50.4	28-158		2.41	30	
Ethyl Benzene	46.8		"	50.0		93.5	84-125		0.150	30	
Hexachlorobutadiene	51.1		"	50.0		102	83-133		3.08	30	
Isopropylbenzene	46.7		"	50.0		93.3	81-127		0.129	30	
Methyl acetate	55.1		"	50.0		110	41-143		0.0363	30	
Methyl tert-butyl ether (MTBE)	52.0		"	50.0		104	74-131		0.908	30	
Methylcyclohexane	45.2		"	50.0		90.4	70-130		0.794	30	
Methylene chloride	48.9		"	50.0		97.8	57-141		1.52	30	
n-Butylbenzene	44.5		"	50.0		89.0	80-130		0.563	30	
n-Propylbenzene	45.2		"	50.0		90.5	74-136		0.0221	30	
o-Xylene	47.9		"	50.0		95.7	83-123		0.125	30	
p- & m- Xylenes	94.4		"	100		94.4	82-128		0.371	30	
p-Isopropyltoluene	46.4		"	50.0		92.7	85-125		0.581	30	
sec-Butylbenzene	45.9		"	50.0		91.8	83-125		0.391	30	
Styrene	47.6		"	50.0		95.1	86-126		0.802	30	
tert-Butyl alcohol (TBA)	271		"	250		108	70-130		4.44	30	
tert-Butylbenzene	46.8		"	50.0		93.7	80-127		0.192	30	
Tetrachloroethylene	36.7		"	50.0		73.4	80-129	Low Bias	1.32	30	
Toluene	45.6		"	50.0		91.3	85-121		0.110	30	
trans-1,2-Dichloroethylene	47.3		"	50.0		94.6	72-132		1.66	30	
trans-1,3-Dichloropropylene	45.3		"	50.0		90.6	78-132		0.154	30	
Trichloroethylene	47.0		"	50.0		93.9	84-123		0.107	30	
Trichlorofluoromethane	44.2		"	50.0		88.4	62-140		11.3	30	
Vinyl acetate	48.2		"	50.0		96.5	67-136		5.01	30	
Vinyl Chloride	37.2		"	50.0		74.4	52-130		0.134	30	
Surrogate: SRR: 1,2-Dichloroethane-d4	50.7		"	50.0		101	77-125				
Surrogate: SRR: Toluene-d8	49.7		"	50.0		99.3	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG30861 - EPA 5035A

LCS Dup (BG30861-BSD1) LCS Dup

Prepared: 07/27/2023 Analyzed: 07/28/2023

Surrogate: SURR: p-Bromofluorobenzene 49.1 ug/L 50.0 98.2 76-130

Batch BG31600 - EPA 5030B

Blank (BG31600-BLK1) Blank

Prepared & Analyzed: 07/26/2023

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	1.52	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

Blank (BG31600-BLK1)	Blank	Prepared & Analyzed: 07/26/2023									
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	0.500	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	11.0		"	10.0		110	69-130				
Surrogate: SURR: Toluene-d8	9.15		"	10.0		91.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.28		"	10.0		92.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

LCS (BG31600-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	9.45	ug/L	10.0	94.5	82-126						
1,1,1-Trichloroethane	10.4	"	10.0	104	78-136						
1,1,2,2-Tetrachloroethane	8.74	"	10.0	87.4	76-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	"	10.0	108	54-165						
1,1,2-Trichloroethane	8.48	"	10.0	84.8	82-123						
1,1-Dichloroethane	9.34	"	10.0	93.4	82-129						
1,1-Dichloroethylene	10.2	"	10.0	102	68-138						
1,1-Dichloropropylene	10.1	"	10.0	101	83-133						
1,2,3-Trichlorobenzene	9.20	"	10.0	92.0	76-136						
1,2,3-Trichloropropane	8.83	"	10.0	88.3	77-128						
1,2,4-Trichlorobenzene	9.68	"	10.0	96.8	76-137						
1,2,4-Trimethylbenzene	9.80	"	10.0	98.0	82-132						
1,2-Dibromo-3-chloropropane	8.11	"	10.0	81.1	45-147						
1,2-Dibromoethane	9.01	"	10.0	90.1	83-124						
1,2-Dichlorobenzene	9.32	"	10.0	93.2	79-123						
1,2-Dichloroethane	9.77	"	10.0	97.7	73-132						
1,2-Dichloropropane	8.51	"	10.0	85.1	78-126						
1,3,5-Trimethylbenzene	10.2	"	10.0	102	80-131						
1,3-Dichlorobenzene	9.38	"	10.0	93.8	86-122						
1,3-Dichloropropane	8.33	"	10.0	83.3	81-125						
1,4-Dichlorobenzene	9.43	"	10.0	94.3	85-124						
1,4-Dioxane	174	"	210	83.1	10-349						
2,2-Dichloropropane	13.8	"	10.0	138	56-150						
2-Butanone	9.31	"	10.0	93.1	49-152						
2-Chlorotoluene	9.43	"	10.0	94.3	79-130						
2-Hexanone	7.40	"	10.0	74.0	51-146						
4-Chlorotoluene	9.76	"	10.0	97.6	79-128						
4-Methyl-2-pentanone	8.08	"	10.0	80.8	57-145						
Acetone	12.2	"	10.0	122	14-150						
Acrolein	8.82	"	10.0	88.2	10-153						
Acrylonitrile	8.22	"	10.0	82.2	51-150						
Benzene	9.96	"	10.0	99.6	85-126						
Bromobenzene	8.83	"	10.0	88.3	78-129						
Bromochloromethane	8.99	"	10.0	89.9	77-128						
Bromodichloromethane	8.53	"	10.0	85.3	79-128						
Bromoform	9.29	"	10.0	92.9	78-133						
Bromomethane	7.62	"	10.0	76.2	43-168						
Carbon disulfide	9.65	"	10.0	96.5	68-146						
Carbon tetrachloride	10.7	"	10.0	107	77-141						
Chlorobenzene	9.37	"	10.0	93.7	88-120						
Chloroethane	8.94	"	10.0	89.4	65-136						
Chloroform	9.84	"	10.0	98.4	82-128						
Chloromethane	8.04	"	10.0	80.4	43-155						
cis-1,2-Dichloroethylene	10.1	"	10.0	101	83-129						
cis-1,3-Dichloropropylene	8.96	"	10.0	89.6	80-131						
Cyclohexane	4.45	"	10.0	44.5	63-149				Low Bias		
Dibromochloromethane	9.32	"	10.0	93.2	80-130						
Dibromomethane	8.15	"	10.0	81.5	72-134						
Dichlorodifluoromethane	6.98	"	10.0	69.8	44-144						
Ethyl Benzene	10.0	"	10.0	100	80-131						
Hexachlorobutadiene	9.59	"	10.0	95.9	67-146						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31600 - EPA 5030B

LCS (BG31600-BS1)	LCS	Prepared & Analyzed: 07/26/2023									
Isopropylbenzene	9.86	ug/L	10.0	98.6	76-140						
Methyl acetate	8.00	"	10.0	80.0	51-139						
Methyl tert-butyl ether (MTBE)	10.1	"	10.0	101	76-135						
Methylcyclohexane	9.53	"	10.0	95.3	72-143						
Methylene chloride	8.71	"	10.0	87.1	55-137						
n-Butylbenzene	9.68	"	10.0	96.8	79-132						
n-Propylbenzene	9.56	"	10.0	95.6	78-133						
o-Xylene	10.2	"	10.0	102	78-130						
p- & m- Xylenes	20.4	"	20.0	102	77-133						
p-Isopropyltoluene	10.1	"	10.0	101	81-136						
sec-Butylbenzene	9.59	"	10.0	95.9	79-137						
Styrene	10.0	"	10.0	100	67-132						
tert-Butyl alcohol (TBA)	27.0	"	50.0	54.0	25-162						
tert-Butylbenzene	8.43	"	10.0	84.3	77-138						
Tetrachloroethylene	9.67	"	10.0	96.7	82-131						
Toluene	9.79	"	10.0	97.9	80-127						
trans-1,2-Dichloroethylene	9.77	"	10.0	97.7	80-132						
trans-1,3-Dichloropropylene	8.82	"	10.0	88.2	78-131						
Trichloroethylene	8.93	"	10.0	89.3	82-128						
Trichlorofluoromethane	10.3	"	10.0	103	67-139						
Vinyl acetate	9.81	"	10.0	98.1	21-90	High Bias					
Vinyl Chloride	8.16	"	10.0	81.6	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3	"	10.0	103	69-130						
Surrogate: SURR: Toluene-d8	9.24	"	10.0	92.4	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.72	"	10.0	97.2	79-122						

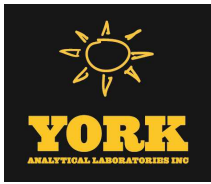
LCS Dup (BG31600-BSD1)	LCS Dup	Prepared & Analyzed: 07/26/2023									
1,1,1,2-Tetrachloroethane	9.31	ug/L	10.0	93.1	82-126	1.49	30				
1,1,1-Trichloroethane	10.3	"	10.0	103	78-136	1.35	30				
1,1,2,2-Tetrachloroethane	8.89	"	10.0	88.9	76-129	1.70	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	"	10.0	104	54-165	3.86	30				
1,1,2-Trichloroethane	8.99	"	10.0	89.9	82-123	5.84	30				
1,1-Dichloroethane	9.32	"	10.0	93.2	82-129	0.214	30				
1,1-Dichloroethylene	9.82	"	10.0	98.2	68-138	3.60	30				
1,1-Dichloropropylene	9.72	"	10.0	97.2	83-133	3.54	30				
1,2,3-Trichlorobenzene	10.1	"	10.0	101	76-136	9.62	30				
1,2,3-Trichloropropane	9.08	"	10.0	90.8	77-128	2.79	30				
1,2,4-Trichlorobenzene	10.1	"	10.0	101	76-137	4.64	30				
1,2,4-Trimethylbenzene	9.19	"	10.0	91.9	82-132	6.42	30				
1,2-Dibromo-3-chloropropane	8.38	"	10.0	83.8	45-147	3.27	30				
1,2-Dibromoethane	9.53	"	10.0	95.3	83-124	5.61	30				
1,2-Dichlorobenzene	9.19	"	10.0	91.9	79-123	1.40	30				
1,2-Dichloroethane	10.1	"	10.0	101	73-132	3.62	30				
1,2-Dichloropropane	8.50	"	10.0	85.0	78-126	0.118	30				
1,3,5-Trimethylbenzene	9.60	"	10.0	96.0	80-131	6.45	30				
1,3-Dichlorobenzene	8.90	"	10.0	89.0	86-122	5.25	30				
1,3-Dichloropropane	8.72	"	10.0	87.2	81-125	4.57	30				
1,4-Dichlorobenzene	9.06	"	10.0	90.6	85-124	4.00	30				
1,4-Dioxane	192	"	210	91.5	10-349	9.62	30				
2,2-Dichloropropane	13.3	"	10.0	133	56-150	4.35	30				
2-Butanone	9.64	"	10.0	96.4	49-152	3.48	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31600 - EPA 5030B											
LCS Dup (BG31600-BSD1)	LCS Dup		Prepared & Analyzed: 07/26/2023								
2-Chlorotoluene	8.60		ug/L	10.0		86.0	79-130		9.21	30	
2-Hexanone	8.35		"	10.0		83.5	51-146		12.1	30	
4-Chlorotoluene	9.11		"	10.0		91.1	79-128		6.89	30	
4-Methyl-2-pentanone	9.17		"	10.0		91.7	57-145		12.6	30	
Acetone	12.5		"	10.0		125	14-150		2.34	30	
Acrolein	8.43		"	10.0		84.3	10-153		4.52	30	
Acrylonitrile	9.44		"	10.0		94.4	51-150		13.8	30	
Benzene	9.89		"	10.0		98.9	85-126		0.705	30	
Bromobenzene	8.38		"	10.0		83.8	78-129		5.23	30	
Bromochloromethane	9.05		"	10.0		90.5	77-128		0.665	30	
Bromodichloromethane	8.53		"	10.0		85.3	79-128		0.00	30	
Bromoform	9.82		"	10.0		98.2	78-133		5.55	30	
Bromomethane	7.83		"	10.0		78.3	43-168		2.72	30	
Carbon disulfide	9.22		"	10.0		92.2	68-146		4.56	30	
Carbon tetrachloride	10.5		"	10.0		105	77-141		2.55	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		0.214	30	
Chloroethane	8.43		"	10.0		84.3	65-136		5.87	30	
Chloroform	9.79		"	10.0		97.9	82-128		0.509	30	
Chloromethane	7.56		"	10.0		75.6	43-155		6.15	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		0.596	30	
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131		1.22	30	
Cyclohexane	4.34		"	10.0		43.4	63-149	Low Bias	2.50	30	
Dibromochloromethane	9.67		"	10.0		96.7	80-130		3.69	30	
Dibromomethane	8.62		"	10.0		86.2	72-134		5.61	30	
Dichlorodifluoromethane	6.47		"	10.0		64.7	44-144		7.58	30	
Ethyl Benzene	9.78		"	10.0		97.8	80-131		2.72	30	
Hexachlorobutadiene	9.75		"	10.0		97.5	67-146		1.65	30	
Isopropylbenzene	9.11		"	10.0		91.1	76-140		7.91	30	
Methyl acetate	8.48		"	10.0		84.8	51-139		5.83	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135		7.07	30	
Methylcyclohexane	9.32		"	10.0		93.2	72-143		2.23	30	
Methylene chloride	8.72		"	10.0		87.2	55-137		0.115	30	
n-Butylbenzene	9.11		"	10.0		91.1	79-132		6.07	30	
n-Propylbenzene	8.88		"	10.0		88.8	78-133		7.38	30	
o-Xylene	10.0		"	10.0		100	78-130		1.69	30	
p- & m- Xylenes	19.9		"	20.0		99.6	77-133		2.23	30	
p-Isopropyltoluene	9.39		"	10.0		93.9	81-136		7.19	30	
sec-Butylbenzene	8.95		"	10.0		89.5	79-137		6.90	30	
Styrene	10.0		"	10.0		100	67-132		0.100	30	
tert-Butyl alcohol (TBA)	28.2		"	50.0		56.4	25-162		4.42	30	
tert-Butylbenzene	7.84		"	10.0		78.4	77-138		7.25	30	
Tetrachloroethylene	9.33		"	10.0		93.3	82-131		3.58	30	
Toluene	9.62		"	10.0		96.2	80-127		1.75	30	
trans-1,2-Dichloroethylene	9.49		"	10.0		94.9	80-132		2.91	30	
trans-1,3-Dichloropropylene	9.15		"	10.0		91.5	78-131		3.67	30	
Trichloroethylene	8.66		"	10.0		86.6	82-128		3.07	30	
Trichlorofluoromethane	9.90		"	10.0		99.0	67-139		3.67	30	
Vinyl acetate	10.8		"	10.0		108	21-90	High Bias	9.24	30	
Vinyl Chloride	7.56		"	10.0		75.6	58-145		7.63	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURR: Toluene-d8	9.20		"	10.0		92.0	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

										RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BG31600 - EPA 5030B											
LCS Dup (BG31600-BSD1)		LCS Dup						Prepared & Analyzed: 07/26/2023			
Surrogate: SURR: p-Bromofluorobenzene		9.29	ug/L	10.0		92.9	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Blank (BG31567-BLK1)	Blank									Prepared: 07/27/2023 Analyzed: 07/28/2023
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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Blank (BG31567-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023									
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	1.47		"	1.66		88.6	20-108				
Surrogate: SURR: Phenol-d6	1.41		"	1.66		85.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.765		"	0.831		92.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.765		"	0.831		92.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.22		"	1.66		134	19-110				
Surrogate: SURR: Terphenyl-d14	0.727		"	0.831		87.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31567 - EPA 3550C											
LCS (BG31567-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
1,1-Biphenyl	0.817	0.0416	mg/kg wet	0.831		98.3	18-111				
1,2,4,5-Tetrachlorobenzene	1.17	0.0830	"	0.831		140	21-131	High Bias			
1,2,4-Trichlorobenzene	0.900	0.0416	"	0.831		108	10-140				
1,2-Dichlorobenzene	0.747	0.0416	"	0.831		89.9	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.878	0.0416	"	0.831		106	17-137				
1,3-Dichlorobenzene	0.754	0.0416	"	0.831		90.8	33-110				
1,4-Dichlorobenzene	0.754	0.0416	"	0.831		90.8	32-104				
2,3,4,6-Tetrachlorophenol	0.930	0.0830	"	0.831		112	30-130				
2,4,5-Trichlorophenol	0.999	0.0416	"	0.831		120	27-118	High Bias			
2,4,6-Trichlorophenol	0.912	0.0416	"	0.831		110	31-120				
2,4-Dichlorophenol	0.915	0.0416	"	0.831		110	20-127				
2,4-Dimethylphenol	0.714	0.0416	"	0.831		86.0	14-132				
2,4-Dinitrophenol	1.05	0.0830	"	0.831		127	10-171				
2,4-Dinitrotoluene	0.891	0.0416	"	0.831		107	34-131				
2,6-Dinitrotoluene	0.910	0.0416	"	0.831		110	31-128				
2-Chloronaphthalene	0.842	0.0416	"	0.831		101	31-117				
2-Chlorophenol	0.795	0.0416	"	0.831		95.8	33-113				
2-Methylnaphthalene	0.874	0.0416	"	0.831		105	12-138				
2-Methylphenol	0.814	0.0416	"	0.831		98.0	10-136				
2-Nitroaniline	0.875	0.0830	"	0.831		105	27-132				
2-Nitrophenol	0.918	0.0416	"	0.831		110	17-129				
3- & 4-Methylphenols	0.711	0.0416	"	0.831		85.6	29-103				
3,3-Dichlorobenzidine	0.741	0.0416	"	0.831		89.2	22-149				
3-Nitroaniline	0.726	0.0830	"	0.831		87.4	20-133				
4,6-Dinitro-2-methylphenol	1.24	0.0830	"	0.831		150	10-143	High Bias			
4-Bromophenyl phenyl ether	0.972	0.0416	"	0.831		117	29-120				
4-Chloro-3-methylphenol	0.914	0.0416	"	0.831		110	24-129				
4-Chloroaniline	0.547	0.0416	"	0.831		65.8	10-132				
4-Chlorophenyl phenyl ether	0.840	0.0416	"	0.831		101	27-124				
4-Nitroaniline	0.720	0.0830	"	0.831		86.7	16-128				
4-Nitrophenol	0.829	0.0830	"	0.831		99.8	10-141				
Acenaphthene	0.774	0.0416	"	0.831		93.2	30-121				
Acenaphthylene	0.798	0.0416	"	0.831		96.0	30-115				
Acetophenone	0.722	0.0416	"	0.831		86.9	20-112				
Aniline	0.367	0.166	"	0.831		44.2	10-119				
Anthracene	0.822	0.0416	"	0.831		99.0	34-118				
Atrazine	0.878	0.0416	"	0.831		106	26-112				
Benzaldehyde	0.679	0.0416	"	0.831		81.8	21-100				
Benzo(a)anthracene	0.827	0.0416	"	0.831		99.5	32-122				
Benzo(a)pyrene	0.877	0.0416	"	0.831		106	29-133				
Benzo(b)fluoranthene	0.862	0.0416	"	0.831		104	25-133				
Benzo(g,h,i)perylene	0.961	0.0416	"	0.831		116	10-143				
Benzo(k)fluoranthene	0.888	0.0416	"	0.831		107	25-128				
Benzoic acid	0.938	0.0416	"	0.831		113	10-140				
Benzyl alcohol	0.758	0.0416	"	0.831		91.3	30-115				
Benzyl butyl phthalate	0.736	0.0416	"	0.831		88.6	26-126				
Bis(2-chloroethoxy)methane	0.810	0.0416	"	0.831		97.5	19-132				
Bis(2-chloroethyl)ether	0.702	0.0416	"	0.831		84.5	19-125				
Bis(2-chloroisopropyl)ether	0.635	0.0416	"	0.831		76.4	20-135				
Bis(2-ethylhexyl)phthalate	0.756	0.0416	"	0.831		91.0	10-155				
Caprolactam	0.898	0.0830	"	0.831		108	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

LCS (BG31567-BS1)	LCS	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Carbazole	0.827	0.0416	mg/kg wet	0.831		99.6	35-123				
Chrysene	0.835	0.0416	"	0.831		100	32-123				
Dibenzo(a,h)anthracene	1.07	0.0416	"	0.831		129	10-136				
Dibenzofuran	0.822	0.0416	"	0.831		99.0	29-121				
Diethyl phthalate	0.825	0.0416	"	0.831		99.3	34-116				
Dimethyl phthalate	0.863	0.0416	"	0.831		104	35-124				
Di-n-butyl phthalate	0.819	0.0416	"	0.831		98.6	31-116				
Di-n-octyl phthalate	0.769	0.0416	"	0.831		92.6	26-136				
Fluoranthene	0.823	0.0416	"	0.831		99.0	33-122				
Fluorene	0.817	0.0416	"	0.831		98.4	29-123				
Hexachlorobenzene	0.908	0.0416	"	0.831		109	21-124				
Hexachlorobutadiene	0.942	0.0416	"	0.831		113	10-149				
Hexachlorocyclopentadiene	0.578	0.0416	"	0.831		69.6	10-129				
Hexachloroethane	0.754	0.0416	"	0.831		90.8	28-108				
Indeno(1,2,3-cd)pyrene	1.04	0.0416	"	0.831		125	10-135				
Isophorone	0.825	0.0416	"	0.831		99.3	20-132				
Naphthalene	0.820	0.0416	"	0.831		98.7	23-124				
Nitrobenzene	0.846	0.0416	"	0.831		102	13-132				
N-Nitrosodimethylamine	0.632	0.0416	"	0.831		76.0	11-129				
N-nitroso-di-n-propylamine	0.710	0.0416	"	0.831		85.5	24-119				
N-Nitrosodiphenylamine	1.07	0.0416	"	0.831		129	22-152				
Pentachlorophenol	0.911	0.0416	"	0.831		110	10-139				
Phenanthrene	0.815	0.0416	"	0.831		98.1	33-123				
Phenol	0.776	0.0416	"	0.831		93.4	23-115				
Pyrene	0.766	0.0416	"	0.831		92.3	24-130				
Pyridine	0.539	0.166	"	0.831		64.9	10-91				
Surrogate: SURR: 2-Fluorophenol	1.56		"	1.66		93.9	20-108				
Surrogate: SURR: Phenol-d6	1.50		"	1.66		90.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.834		"	0.831		100	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.857		"	0.831		103	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.43		"	1.66		146	19-110				
Surrogate: SURR: Terphenyl-d14	0.801		"	0.831		96.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31567 - EPA 3550C											
Matrix Spike (BG31567-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
1,1-Biphenyl	0.742	0.0845	mg/kg dry	0.844	ND	87.9	10-130				
1,2,4,5-Tetrachlorobenzene	1.07	0.169	"	0.844	ND	126	10-133				
1,2,4-Trichlorobenzene	0.866	0.0845	"	0.844	ND	103	10-127				
1,2-Dichlorobenzene	0.734	0.0845	"	0.844	ND	87.0	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.836	0.0845	"	0.844	ND	99.0	10-144				
1,3-Dichlorobenzene	0.723	0.0845	"	0.844	ND	85.7	11-111				
1,4-Dichlorobenzene	0.732	0.0845	"	0.844	ND	86.7	10-106				
2,3,4,6-Tetrachlorophenol	0.903	0.169	"	0.844	ND	107	30-130				
2,4,5-Trichlorophenol	0.950	0.0845	"	0.844	ND	113	10-127				
2,4,6-Trichlorophenol	0.853	0.0845	"	0.844	ND	101	10-132				
2,4-Dichlorophenol	0.880	0.0845	"	0.844	ND	104	10-128				
2,4-Dimethylphenol	0.683	0.0845	"	0.844	ND	81.0	10-137				
2,4-Dinitrophenol	0.888	0.169	"	0.844	ND	105	10-171				
2,4-Dinitrotoluene	0.877	0.0845	"	0.844	ND	104	16-135				
2,6-Dinitrotoluene	0.894	0.0845	"	0.844	ND	106	18-131				
2-Chloronaphthalene	0.782	0.0845	"	0.844	ND	92.6	10-129				
2-Chlorophenol	0.813	0.0845	"	0.844	ND	96.4	15-116				
2-Methylnaphthalene	0.844	0.0845	"	0.844	ND	100	10-147				
2-Methylphenol	0.818	0.0845	"	0.844	ND	96.9	10-136				
2-Nitroaniline	0.853	0.169	"	0.844	ND	101	10-137				
2-Nitrophenol	0.864	0.0845	"	0.844	ND	102	10-129				
3- & 4-Methylphenols	0.731	0.0845	"	0.844	ND	86.6	10-123				
3,3-Dichlorobenzidine	0.630	0.0845	"	0.844	ND	74.6	10-155				
3-Nitroaniline	0.719	0.169	"	0.844	ND	85.2	12-133				
4,6-Dinitro-2-methylphenol	1.08	0.169	"	0.844	ND	128	10-155				
4-Bromophenyl phenyl ether	0.958	0.0845	"	0.844	ND	114	14-128				
4-Chloro-3-methylphenol	0.933	0.0845	"	0.844	ND	111	10-134				
4-Chloroaniline	0.577	0.0845	"	0.844	ND	68.4	10-145				
4-Chlorophenyl phenyl ether	0.813	0.0845	"	0.844	ND	96.3	14-130				
4-Nitroaniline	0.807	0.169	"	0.844	ND	95.7	10-147				
4-Nitrophenol	0.805	0.169	"	0.844	ND	95.4	10-137				
Acenaphthene	0.745	0.0845	"	0.844	ND	88.2	10-146				
Acenaphthylene	0.759	0.0845	"	0.844	ND	89.9	10-134				
Acetophenone	0.714	0.0845	"	0.844	ND	84.6	10-116				
Aniline	0.347	0.338	"	0.844	ND	41.1	10-123				
Anthracene	0.760	0.0845	"	0.844	ND	90.1	10-142				
Atrazine	0.840	0.0845	"	0.844	ND	99.5	19-115				
Benzaldehyde	0.691	0.0845	"	0.844	ND	81.8	10-125				
Benzo(a)anthracene	0.812	0.0845	"	0.844	ND	96.2	10-158				
Benzo(a)pyrene	0.905	0.0845	"	0.844	ND	107	10-180				
Benzo(b)fluoranthene	0.907	0.0845	"	0.844	ND	108	10-200				
Benzo(g,h,i)perylene	0.992	0.0845	"	0.844	ND	118	10-138				
Benzo(k)fluoranthene	0.889	0.0845	"	0.844	ND	105	10-197				
Benzoic acid	0.391	0.0845	"	0.844	ND	46.3	10-166				
Benzyl alcohol	0.764	0.0845	"	0.844	ND	90.6	12-124				
Benzyl butyl phthalate	0.714	0.0845	"	0.844	ND	84.6	10-154				
Bis(2-chloroethoxy)methane	0.767	0.0845	"	0.844	ND	90.9	10-132				
Bis(2-chloroethyl)ether	0.708	0.0845	"	0.844	ND	83.8	10-119				
Bis(2-chloroisopropyl)ether	0.647	0.0845	"	0.844	ND	76.7	10-139				
Bis(2-ethylhexyl)phthalate	0.737	0.0845	"	0.844	ND	87.3	10-167				
Caprolactam	0.892	0.169	"	0.844	ND	106	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Matrix Spike (BG31567-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
Carbazole	0.786	0.0845	mg/kg dry	0.844	ND	93.1	10-167				
Chrysene	0.820	0.0845	"	0.844	ND	97.2	10-156				
Dibenzo(a,h)anthracene	1.07	0.0845	"	0.844	ND	127	10-137				
Dibenzofuran	0.795	0.0845	"	0.844	ND	94.2	10-147				
Diethyl phthalate	0.805	0.0845	"	0.844	ND	95.4	20-120				
Dimethyl phthalate	0.810	0.0845	"	0.844	ND	96.0	18-131				
Di-n-butyl phthalate	0.751	0.0845	"	0.844	ND	89.0	10-137				
Di-n-octyl phthalate	0.743	0.0845	"	0.844	ND	88.0	10-180				
Fluoranthene	0.781	0.0845	"	0.844	ND	92.6	10-160				
Fluorene	0.786	0.0845	"	0.844	ND	93.2	10-157				
Hexachlorobenzene	0.893	0.0845	"	0.844	ND	106	10-137				
Hexachlorobutadiene	0.902	0.0845	"	0.844	ND	107	10-132				
Hexachlorocyclopentadiene	0.385	0.0845	"	0.844	ND	45.7	10-106				
Hexachloroethane	0.718	0.0845	"	0.844	ND	85.1	10-110				
Indeno(1,2,3-cd)pyrene	1.11	0.0845	"	0.844	ND	132	10-144				
Isophorone	0.792	0.0845	"	0.844	ND	93.8	10-132				
Naphthalene	0.802	0.0845	"	0.844	ND	95.0	10-141				
Nitrobenzene	0.806	0.0845	"	0.844	ND	95.5	10-131				
N-Nitrosodimethylamine	0.643	0.0845	"	0.844	ND	76.2	10-126				
N-nitroso-di-n-propylamine	0.724	0.0845	"	0.844	ND	85.8	10-125				
N-Nitrosodiphenylamine	1.00	0.0845	"	0.844	ND	119	10-177				
Pentachlorophenol	0.766	0.0845	"	0.844	ND	90.7	10-153				
Phenanthrene	0.778	0.0845	"	0.844	ND	92.2	10-148				
Phenol	0.777	0.0845	"	0.844	ND	92.1	10-126				
Pyrene	0.730	0.0845	"	0.844	ND	86.6	10-165				
Pyridine	0.508	0.338	"	0.844	ND	60.2	10-83				
Surrogate: SURR: 2-Fluorophenol	1.57		"	1.69		93.1	20-108				
Surrogate: SURR: Phenol-d6	1.53		"	1.69		90.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.818		"	0.844		96.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.784		"	0.844		93.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.29		"	1.69		136	19-110				
Surrogate: SURR: Terphenyl-d14	0.756		"	0.844		89.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31567 - EPA 3550C											
Matrix Spike Dup (BG31567-1) Matrix Spike Dup											
Source sample: 23G1204-01 (Matrix Spike Dup)						Prepared: 07/27/2023 Analyzed: 07/28/2023					
1,1-Biphenyl	0.751	0.0867	mg/kg dry	0.866	ND	86.6	10-130		1.16	30	
1,2,4,5-Tetrachlorobenzene	1.07	0.173	"	0.866	ND	123	10-133		0.0728	30	
1,2,4-Trichlorobenzene	0.864	0.0867	"	0.866	ND	99.7	10-127		0.303	30	
1,2-Dichlorobenzene	0.727	0.0867	"	0.866	ND	83.9	14-111		0.935	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.847	0.0867	"	0.866	ND	97.8	10-144		1.32	30	
1,3-Dichlorobenzene	0.732	0.0867	"	0.866	ND	84.5	11-111		1.21	30	
1,4-Dichlorobenzene	0.729	0.0867	"	0.866	ND	84.2	10-106		0.373	30	
2,3,4,6-Tetrachlorophenol	0.917	0.173	"	0.866	ND	106	30-130		1.57	30	
2,4,5-Trichlorophenol	0.929	0.0867	"	0.866	ND	107	10-127		2.18	30	
2,4,6-Trichlorophenol	0.830	0.0867	"	0.866	ND	95.8	10-132		2.74	30	
2,4-Dichlorophenol	0.883	0.0867	"	0.866	ND	102	10-128		0.372	30	
2,4-Dimethylphenol	0.672	0.0867	"	0.866	ND	77.5	10-137		1.72	30	
2,4-Dinitrophenol	0.858	0.173	"	0.866	ND	99.0	10-171		3.49	30	
2,4-Dinitrotoluene	0.893	0.0867	"	0.866	ND	103	16-135		1.85	30	
2,6-Dinitrotoluene	0.856	0.0867	"	0.866	ND	98.8	18-131		4.33	30	
2-Chloronaphthalene	0.799	0.0867	"	0.866	ND	92.2	10-129		2.19	30	
2-Chlorophenol	0.785	0.0867	"	0.866	ND	90.6	15-116		3.54	30	
2-Methylnaphthalene	0.847	0.0867	"	0.866	ND	97.8	10-147		0.358	30	
2-Methylphenol	0.779	0.0867	"	0.866	ND	89.9	10-136		4.83	30	
2-Nitroaniline	0.844	0.173	"	0.866	ND	97.4	10-137		1.00	30	
2-Nitrophenol	0.855	0.0867	"	0.866	ND	98.7	10-129		1.04	30	
3- & 4-Methylphenols	0.703	0.0867	"	0.866	ND	81.1	10-123		3.96	30	
3,3-Dichlorobenzidine	0.710	0.0867	"	0.866	ND	81.9	10-155		11.9	30	
3-Nitroaniline	0.730	0.173	"	0.866	ND	84.3	12-133		1.58	30	
4,6-Dinitro-2-methylphenol	1.00	0.173	"	0.866	ND	116	10-155		7.75	30	
4-Bromophenyl phenyl ether	0.922	0.0867	"	0.866	ND	106	14-128		3.78	30	
4-Chloro-3-methylphenol	0.928	0.0867	"	0.866	ND	107	10-134		0.538	30	
4-Chloroaniline	0.566	0.0867	"	0.866	ND	65.3	10-145		2.05	30	
4-Chlorophenyl phenyl ether	0.825	0.0867	"	0.866	ND	95.3	14-130		1.54	30	
4-Nitroaniline	0.825	0.173	"	0.866	ND	95.2	10-147		2.12	30	
4-Nitrophenol	0.810	0.173	"	0.866	ND	93.5	10-137		0.591	30	
Acenaphthene	0.746	0.0867	"	0.866	ND	86.1	10-146		0.145	30	
Acenaphthylene	0.760	0.0867	"	0.866	ND	87.7	10-134		0.100	30	
Acetophenone	0.703	0.0867	"	0.866	ND	81.2	10-116		1.43	30	
Aniline	0.297	0.347	"	0.866	ND	34.2	10-123		15.7	30	
Anthracene	0.752	0.0867	"	0.866	ND	86.8	10-142		1.09	30	
Atrazine	0.848	0.0867	"	0.866	ND	97.9	19-115		1.00	30	
Benzaldehyde	0.695	0.0867	"	0.866	ND	80.2	10-125		0.649	30	
Benzo(a)anthracene	0.801	0.0867	"	0.866	ND	92.5	10-158		1.36	30	
Benzo(a)pyrene	0.877	0.0867	"	0.866	ND	101	10-180		3.13	30	
Benzo(b)fluoranthene	0.877	0.0867	"	0.866	ND	101	10-200		3.36	30	
Benzo(g,h,i)perylene	0.958	0.0867	"	0.866	ND	111	10-138		3.55	30	
Benzo(k)fluoranthene	0.866	0.0867	"	0.866	ND	100	10-197		2.60	30	
Benzoic acid	0.416	0.0867	"	0.866	ND	48.0	10-166		6.18	30	
Benzyl alcohol	0.752	0.0867	"	0.866	ND	86.8	12-124		1.62	30	
Benzyl butyl phthalate	0.699	0.0867	"	0.866	ND	80.7	10-154		2.02	30	
Bis(2-chloroethoxy)methane	0.766	0.0867	"	0.866	ND	88.4	10-132		0.144	30	
Bis(2-chloroethyl)ether	0.677	0.0867	"	0.866	ND	78.2	10-119		4.39	30	
Bis(2-chloroisopropyl)ether	0.641	0.0867	"	0.866	ND	74.0	10-139		0.987	30	
Bis(2-ethylhexyl)phthalate	0.747	0.0867	"	0.866	ND	86.2	10-167		1.42	30	
Caprolactam	0.919	0.173	"	0.866	ND	106	10-132		3.00	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31567 - EPA 3550C

Matrix Spike Dup (BG31567-1)				Source sample: 23G1204-01 (Matrix Spike Dup)				Prepared: 07/27/2023 Analyzed: 07/28/2023			
Carbazole	0.782	0.0867	mg/kg dry	0.866	ND	90.2	10-167		0.519	30	
Chrysene	0.816	0.0867	"	0.866	ND	94.2	10-156		0.469	30	
Dibenzo(a,h)anthracene	1.05	0.0867	"	0.866	ND	121	10-137		2.29	30	
Dibenzofuran	0.806	0.0867	"	0.866	ND	93.0	10-147		1.34	30	
Diethyl phthalate	0.814	0.0867	"	0.866	ND	94.0	20-120		1.19	30	
Dimethyl phthalate	0.841	0.0867	"	0.866	ND	97.1	18-131		3.78	30	
Di-n-butyl phthalate	0.760	0.0867	"	0.866	ND	87.8	10-137		1.18	30	
Di-n-octyl phthalate	0.755	0.0867	"	0.866	ND	87.2	10-180		1.71	30	
Fluoranthene	0.794	0.0867	"	0.866	ND	91.6	10-160		1.58	30	
Fluorene	0.782	0.0867	"	0.866	ND	90.3	10-157		0.516	30	
Hexachlorobenzene	0.913	0.0867	"	0.866	ND	105	10-137		2.17	30	
Hexachlorobutadiene	0.875	0.0867	"	0.866	ND	101	10-132		3.07	30	
Hexachlorocyclopentadiene	0.369	0.0867	"	0.866	ND	42.6	10-106		4.45	30	
Hexachloroethane	0.741	0.0867	"	0.866	ND	85.5	10-110		3.09	30	
Indeno(1,2,3-cd)pyrene	1.07	0.0867	"	0.866	ND	124	10-144		3.64	30	
Isophorone	0.791	0.0867	"	0.866	ND	91.4	10-132		0.0552	30	
Naphthalene	0.799	0.0867	"	0.866	ND	92.2	10-141		0.367	30	
Nitrobenzene	0.810	0.0867	"	0.866	ND	93.5	10-131		0.507	30	
N-Nitrosodimethylamine	0.613	0.0867	"	0.866	ND	70.8	10-126		4.67	30	
N-nitroso-di-n-propylamine	0.717	0.0867	"	0.866	ND	82.7	10-125		1.08	30	
N-Nitrosodiphenylamine	1.00	0.0867	"	0.866	ND	116	10-177		0.0345	30	
Pentachlorophenol	0.724	0.0867	"	0.866	ND	83.6	10-153		5.55	30	
Phenanthrene	0.791	0.0867	"	0.866	ND	91.4	10-148		1.75	30	
Phenol	0.759	0.0867	"	0.866	ND	87.6	10-126		2.36	30	
Pyrene	0.739	0.0867	"	0.866	ND	85.3	10-165		1.13	30	
Pyridine	0.539	0.347	"	0.866	ND	62.2	10-83		5.89	30	
Surrogate: SURR: 2-Fluorophenol	1.52		"	1.73		87.7	20-108				
Surrogate: SURR: Phenol-d6	1.45		"	1.73		83.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.781		"	0.866		90.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.780		"	0.866		90.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.30		"	1.73		133	19-110				
Surrogate: SURR: Terphenyl-d14	0.737		"	0.866		85.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Blank (BH30120-BLK1)	Blank									Prepared: 08/02/2023 Analyzed: 08/04/2023
1,1-Biphenyl	ND	0.0417	mg/kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"							
1,2,4-Trichlorobenzene	ND	0.0417	"							
1,2-Dichlorobenzene	ND	0.0417	"							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"							
1,3-Dichlorobenzene	ND	0.0417	"							
1,4-Dichlorobenzene	ND	0.0417	"							
2,3,4,6-Tetrachlorophenol	ND	0.0833	"							
2,4,5-Trichlorophenol	ND	0.0417	"							
2,4,6-Trichlorophenol	ND	0.0417	"							
2,4-Dichlorophenol	ND	0.0417	"							
2,4-Dimethylphenol	ND	0.0417	"							
2,4-Dinitrophenol	ND	0.0833	"							
2,4-Dinitrotoluene	ND	0.0417	"							
2,6-Dinitrotoluene	ND	0.0417	"							
2-Chloronaphthalene	ND	0.0417	"							
2-Chlorophenol	ND	0.0417	"							
2-Methylnaphthalene	ND	0.0417	"							
2-Methylphenol	ND	0.0417	"							
2-Nitroaniline	ND	0.0833	"							
2-Nitrophenol	ND	0.0417	"							
3- & 4-Methylphenols	ND	0.0417	"							
3,3-Dichlorobenzidine	ND	0.0417	"							
3-Nitroaniline	ND	0.0833	"							
4,6-Dinitro-2-methylphenol	ND	0.0833	"							
4-Bromophenyl phenyl ether	ND	0.0417	"							
4-Chloro-3-methylphenol	ND	0.0417	"							
4-Chloroaniline	ND	0.0417	"							
4-Chlorophenyl phenyl ether	ND	0.0417	"							
4-Nitroaniline	ND	0.0833	"							
4-Nitrophenol	ND	0.0833	"							
Acenaphthene	ND	0.0417	"							
Acenaphthylene	ND	0.0417	"							
Acetophenone	ND	0.0417	"							
Aniline	ND	0.167	"							
Anthracene	ND	0.0417	"							
Atrazine	ND	0.0417	"							
Benzaldehyde	ND	0.0417	"							
Benzidine	ND	0.167	"							
Benzo(a)anthracene	ND	0.0417	"							
Benzo(a)pyrene	ND	0.0417	"							
Benzo(b)fluoranthene	ND	0.0417	"							
Benzo(g,h,i)perylene	ND	0.0417	"							
Benzo(k)fluoranthene	ND	0.0417	"							
Benzoic acid	ND	0.0417	"							
Benzyl alcohol	ND	0.0417	"							
Benzyl butyl phthalate	ND	0.0417	"							
Bis(2-chloroethoxy)methane	ND	0.0417	"							
Bis(2-chloroethyl)ether	ND	0.0417	"							
Bis(2-chloroisopropyl)ether	ND	0.0417	"							
Bis(2-ethylhexyl)phthalate	ND	0.0417	"							



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Blank (BH30120-BLK1)	Blank										Prepared: 08/02/2023 Analyzed: 08/04/2023
Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.35		"	1.67		80.8	20-108				
Surrogate: SURR: Phenol-d6	1.25		"	1.67		74.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.770		"	0.833		92.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.676		"	0.833		81.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.05		"	1.67		123	19-110				
Surrogate: SURR: Terphenyl-d14	0.804		"	0.833		96.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30120 - EPA 3546 SVOA											
LCS (BH30120-BS1)	LCS	Prepared: 08/02/2023 Analyzed: 08/04/2023									
1,1-Biphenyl	0.455	0.0417	mg/kg wet	0.833		54.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.948	0.0833	"	0.833		114	21-131				
1,2,4-Trichlorobenzene	0.754	0.0417	"	0.833		90.4	10-140				
1,2-Dichlorobenzene	0.596	0.0417	"	0.833		71.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.586	0.0417	"	0.833		70.3	17-137				
1,3-Dichlorobenzene	0.589	0.0417	"	0.833		70.7	33-110				
1,4-Dichlorobenzene	0.571	0.0417	"	0.833		68.6	32-104				
2,3,4,6-Tetrachlorophenol	0.856	0.0833	"	0.833		103	30-130				
2,4,5-Trichlorophenol	0.681	0.0417	"	0.833		81.8	27-118				
2,4,6-Trichlorophenol	0.785	0.0417	"	0.833		94.2	31-120				
2,4-Dichlorophenol	0.754	0.0417	"	0.833		90.4	20-127				
2,4-Dimethylphenol	0.515	0.0417	"	0.833		61.8	14-132				
2,4-Dinitrophenol	1.18	0.0833	"	0.833		142	10-171				
2,4-Dinitrotoluene	0.929	0.0417	"	0.833		112	34-131				
2,6-Dinitrotoluene	0.858	0.0417	"	0.833		103	31-128				
2-Chloronaphthalene	0.623	0.0417	"	0.833		74.8	31-117				
2-Chlorophenol	0.628	0.0417	"	0.833		75.4	33-113				
2-Methylnaphthalene	0.696	0.0417	"	0.833		83.6	12-138				
2-Methylphenol	0.642	0.0417	"	0.833		77.0	10-136				
2-Nitroaniline	0.720	0.0833	"	0.833		86.4	27-132				
2-Nitrophenol	0.797	0.0417	"	0.833		95.7	17-129				
3- & 4-Methylphenols	0.577	0.0417	"	0.833		69.3	29-103				
3,3-Dichlorobenzidine	0.534	0.0417	"	0.833		64.0	22-149				
3-Nitroaniline	0.626	0.0833	"	0.833		75.1	20-133				
4,6-Dinitro-2-methylphenol	1.30	0.0833	"	0.833		156	10-143	High Bias			
4-Bromophenyl phenyl ether	0.717	0.0417	"	0.833		86.0	29-120				
4-Chloro-3-methylphenol	0.778	0.0417	"	0.833		93.3	24-129				
4-Chloroaniline	0.517	0.0417	"	0.833		62.0	10-132				
4-Chlorophenyl phenyl ether	0.703	0.0417	"	0.833		84.4	27-124				
4-Nitroaniline	ND	0.0833	"	0.833			16-128	Low Bias			
4-Nitrophenol	1.12	0.0833	"	0.833		134	10-141				
Acenaphthene	0.602	0.0417	"	0.833		72.2	30-121				
Acenaphthylene	0.602	0.0417	"	0.833		72.3	30-115				
Acetophenone	0.496	0.0417	"	0.833		59.5	20-112				
Aniline	0.416	0.167	"	0.833		49.9	10-119				
Anthracene	0.645	0.0417	"	0.833		77.4	34-118				
Atrazine	0.535	0.0417	"	0.833		64.2	26-112				
Benzaldehyde	0.420	0.0417	"	0.833		50.4	21-100				
Benzo(a)anthracene	0.690	0.0417	"	0.833		82.8	32-122				
Benzo(a)pyrene	0.689	0.0417	"	0.833		82.6	29-133				
Benzo(b)fluoranthene	0.727	0.0417	"	0.833		87.2	25-133				
Benzo(g,h,i)perylene	0.685	0.0417	"	0.833		82.2	10-143				
Benzo(k)fluoranthene	0.739	0.0417	"	0.833		88.7	25-128				
Benzoic acid	0.521	0.0417	"	0.833		62.6	10-140				
Benzyl alcohol	0.603	0.0417	"	0.833		72.3	30-115				
Benzyl butyl phthalate	0.617	0.0417	"	0.833		74.1	26-126				
Bis(2-chloroethoxy)methane	0.670	0.0417	"	0.833		80.4	19-132				
Bis(2-chloroethyl)ether	0.603	0.0417	"	0.833		72.4	19-125				
Bis(2-chloroisopropyl)ether	0.541	0.0417	"	0.833		64.9	20-135				
Bis(2-ethylhexyl)phthalate	0.646	0.0417	"	0.833		77.5	10-155				
Caprolactam	0.627	0.0833	"	0.833		75.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

LCS (BH30120-BS1)	LCS	Prepared: 08/02/2023 Analyzed: 08/04/2023									
Carbazole	0.631	0.0417	mg/kg wet	0.833		75.8	35-123				
Chrysene	0.704	0.0417	"	0.833		84.5	32-123				
Dibenzo(a,h)anthracene	0.710	0.0417	"	0.833		85.2	10-136				
Dibenzofuran	0.676	0.0417	"	0.833		81.1	29-121				
Diethyl phthalate	0.681	0.0417	"	0.833		81.8	34-116				
Dimethyl phthalate	0.696	0.0417	"	0.833		83.5	35-124				
Di-n-butyl phthalate	0.636	0.0417	"	0.833		76.4	31-116				
Di-n-octyl phthalate	0.628	0.0417	"	0.833		75.4	26-136				
Fluoranthene	0.681	0.0417	"	0.833		81.7	33-122				
Fluorene	0.646	0.0417	"	0.833		77.6	29-123				
Hexachlorobenzene	0.697	0.0417	"	0.833		83.6	21-124				
Hexachlorobutadiene	0.839	0.0417	"	0.833		101	10-149				
Hexachlorocyclopentadiene	0.398	0.0417	"	0.833		47.7	10-129				
Hexachloroethane	0.605	0.0417	"	0.833		72.6	28-108				
Indeno(1,2,3-cd)pyrene	0.690	0.0417	"	0.833		82.8	10-135				
Isophorone	0.703	0.0417	"	0.833		84.3	20-132				
Naphthalene	0.634	0.0417	"	0.833		76.1	23-124				
Nitrobenzene	0.712	0.0417	"	0.833		85.4	13-132				
N-Nitrosodimethylamine	0.527	0.0417	"	0.833		63.2	11-129				
N-nitroso-di-n-propylamine	0.597	0.0417	"	0.833		71.6	24-119				
N-Nitrosodiphenylamine	0.724	0.0417	"	0.833		86.8	22-152				
Pentachlorophenol	0.797	0.0417	"	0.833		95.6	10-139				
Phenanthrene	0.645	0.0417	"	0.833		77.4	33-123				
Phenol	0.660	0.0417	"	0.833		79.2	23-115				
Pyrene	0.663	0.0417	"	0.833		79.5	24-130				
Pyridine	0.441	0.167	"	0.833		53.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.23		"	1.67		73.6	20-108				
Surrogate: SURR: Phenol-d6	1.23		"	1.67		73.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.703		"	0.833		84.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.643		"	0.833		77.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.98		"	1.67		119	19-110				
Surrogate: SURR: Terphenyl-d14	0.695		"	0.833		83.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Matrix Spike (BH30120-MS1)	Matrix Spike	*Source sample: 23G1620-02 (Matrix Spike)						Prepared: 08/02/2023 Analyzed: 08/04/2023			
1,1-Biphenyl	0.491	0.0832	mg/kg dry	0.832	ND	59.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.979	0.166	"	0.832	ND	118	10-133				
1,2,4-Trichlorobenzene	0.793	0.0832	"	0.832	ND	95.4	10-127				
1,2-Dichlorobenzene	0.625	0.0832	"	0.832	ND	75.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.619	0.0832	"	0.832	ND	74.4	10-144				
1,3-Dichlorobenzene	0.607	0.0832	"	0.832	ND	73.0	11-111				
1,4-Dichlorobenzene	0.589	0.0832	"	0.832	ND	70.8	10-106				
2,3,4,6-Tetrachlorophenol	0.716	0.166	"	0.832	ND	86.2	30-130				
2,4,5-Trichlorophenol	0.675	0.0832	"	0.832	ND	81.1	10-127				
2,4,6-Trichlorophenol	0.803	0.0832	"	0.832	ND	96.6	10-132				
2,4-Dichlorophenol	0.763	0.0832	"	0.832	ND	91.8	10-128				
2,4-Dimethylphenol	0.511	0.0832	"	0.832	ND	61.4	10-137				
2,4-Dinitrophenol	0.786	0.166	"	0.832	ND	94.5	10-171				
2,4-Dinitrotoluene	0.913	0.0832	"	0.832	ND	110	16-135				
2,6-Dinitrotoluene	0.851	0.0832	"	0.832	ND	102	18-131				
2-Chloronaphthalene	0.642	0.0832	"	0.832	ND	77.2	10-129				
2-Chlorophenol	0.631	0.0832	"	0.832	ND	75.8	15-116				
2-Methylnaphthalene	0.712	0.0832	"	0.832	ND	85.6	10-147				
2-Methylphenol	0.622	0.0832	"	0.832	ND	74.8	10-136				
2-Nitroaniline	0.730	0.166	"	0.832	ND	87.8	10-137				
2-Nitrophenol	0.786	0.0832	"	0.832	ND	94.6	10-129				
3- & 4-Methylphenols	0.545	0.0832	"	0.832	ND	65.6	10-123				
3,3-Dichlorobenzidine	0.541	0.0832	"	0.832	ND	65.1	10-155				
3-Nitroaniline	0.633	0.166	"	0.832	ND	76.1	12-133				
4,6-Dinitro-2-methylphenol	1.09	0.166	"	0.832	ND	131	10-155				
4-Bromophenyl phenyl ether	0.740	0.0832	"	0.832	ND	89.0	14-128				
4-Chloro-3-methylphenol	0.790	0.0832	"	0.832	ND	95.0	10-134				
4-Chloroaniline	0.476	0.0832	"	0.832	ND	57.2	10-145				
4-Chlorophenyl phenyl ether	0.720	0.0832	"	0.832	ND	86.6	14-130				
4-Nitroaniline	0.589	0.166	"	0.832	ND	70.9	10-147				
4-Nitrophenol	1.15	0.166	"	0.832	ND	138	10-137	High Bias			
Acenaphthene	0.633	0.0832	"	0.832	ND	76.1	10-146				
Acenaphthylene	0.613	0.0832	"	0.832	ND	73.8	10-134				
Acetophenone	0.539	0.0832	"	0.832	ND	64.8	10-116				
Aniline	0.286	0.333	"	0.832	ND	34.4	10-123				
Anthracene	0.681	0.0832	"	0.832	ND	81.9	10-142				
Atrazine	0.568	0.0832	"	0.832	ND	68.3	19-115				
Benzaldehyde	0.449	0.0832	"	0.832	ND	54.0	10-125				
Benzo(a)anthracene	0.730	0.0832	"	0.832	ND	87.8	10-158				
Benzo(a)pyrene	0.731	0.0832	"	0.832	ND	87.9	10-180				
Benzo(b)fluoranthene	0.781	0.0832	"	0.832	ND	93.9	10-200				
Benzo(g,h,i)perylene	0.729	0.0832	"	0.832	ND	87.7	10-138				
Benzo(k)fluoranthene	0.793	0.0832	"	0.832	ND	95.4	10-197				
Benzoic acid	0.440	0.0832	"	0.832	ND	53.0	10-166				
Benzyl alcohol	0.584	0.0832	"	0.832	ND	70.2	12-124				
Benzyl butyl phthalate	0.611	0.0832	"	0.832	ND	73.5	10-154				
Bis(2-chloroethoxy)methane	0.685	0.0832	"	0.832	ND	82.4	10-132				
Bis(2-chloroethyl)ether	0.603	0.0832	"	0.832	ND	72.6	10-119				
Bis(2-chloroisopropyl)ether	0.547	0.0832	"	0.832	ND	65.8	10-139				
Bis(2-ethylhexyl)phthalate	0.653	0.0832	"	0.832	ND	78.6	10-167				
Caprolactam	0.644	0.166	"	0.832	ND	77.4	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Matrix Spike (BH30120-MS1)	Matrix Spike	*Source sample: 23G1620-02 (Matrix Spike)						Prepared: 08/02/2023 Analyzed: 08/04/2023			
Carbazole	0.663	0.0832	mg/kg dry	0.832	ND	79.8	10-167				
Chrysene	0.762	0.0832	"	0.832	ND	91.7	10-156				
Dibenzo(a,h)anthracene	0.750	0.0832	"	0.832	ND	90.2	10-137				
Dibenzofuran	0.698	0.0832	"	0.832	ND	84.0	10-147				
Diethyl phthalate	0.700	0.0832	"	0.832	ND	84.2	20-120				
Dimethyl phthalate	0.703	0.0832	"	0.832	ND	84.6	18-131				
Di-n-butyl phthalate	0.639	0.0832	"	0.832	ND	76.8	10-137				
Di-n-octyl phthalate	0.645	0.0832	"	0.832	ND	77.6	10-180				
Fluoranthene	0.712	0.0832	"	0.832	ND	85.6	10-160				
Fluorene	0.656	0.0832	"	0.832	ND	78.9	10-157				
Hexachlorobenzene	0.737	0.0832	"	0.832	ND	88.6	10-137				
Hexachlorobutadiene	0.856	0.0832	"	0.832	ND	103	10-132				
Hexachlorocyclopentadiene	0.335	0.0832	"	0.832	ND	40.3	10-106				
Hexachloroethane	0.619	0.0832	"	0.832	ND	74.5	10-110				
Indeno(1,2,3-cd)pyrene	0.718	0.0832	"	0.832	ND	86.3	10-144				
Isophorone	0.679	0.0832	"	0.832	ND	81.6	10-132				
Naphthalene	0.659	0.0832	"	0.832	ND	79.2	10-141				
Nitrobenzene	0.746	0.0832	"	0.832	ND	89.8	10-131				
N-Nitrosodimethylamine	0.553	0.0832	"	0.832	ND	66.5	10-126				
N-nitroso-di-n-propylamine	0.581	0.0832	"	0.832	ND	69.8	10-125				
N-Nitrosodiphenylamine	0.734	0.0832	"	0.832	ND	88.3	10-177				
Pentachlorophenol	0.742	0.0832	"	0.832	ND	89.2	10-153				
Phenanthrene	0.682	0.0832	"	0.832	ND	82.1	10-148				
Phenol	0.684	0.0832	"	0.832	ND	82.3	10-126				
Pyrene	0.686	0.0832	"	0.832	ND	82.5	10-165				
Pyridine	0.464	0.333	"	0.832	ND	55.8	10-83				
Surrogate: SURR: 2-Fluorophenol	1.24		"	1.66		74.8	20-108				
Surrogate: SURR: Phenol-d6	1.20		"	1.66		72.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.719		"	0.832		86.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.662		"	0.832		79.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.96		"	1.66		118	19-110				
Surrogate: SURR: Terphenyl-d14	0.724		"	0.832		87.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30120 - EPA 3546 SVOA											
Matrix Spike Dup (BH30120-1)						Source sample: 23G1620-02 (Matrix Spike Dup)					
						Prepared: 08/02/2023 Analyzed: 08/04/2023					
1,1-Biphenyl	0.471	0.0854	mg/kg dry	0.854	ND	55.1	10-130		4.25	30	
1,2,4,5-Tetrachlorobenzene	0.968	0.171	"	0.854	ND	113	10-133		1.11	30	
1,2,4-Trichlorobenzene	0.767	0.0854	"	0.854	ND	89.8	10-127		3.34	30	
1,2-Dichlorobenzene	0.608	0.0854	"	0.854	ND	71.2	14-111		2.84	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.593	0.0854	"	0.854	ND	69.5	10-144		4.16	30	
1,3-Dichlorobenzene	0.593	0.0854	"	0.854	ND	69.4	11-111		2.43	30	
1,4-Dichlorobenzene	0.575	0.0854	"	0.854	ND	67.4	10-106		2.36	30	
2,3,4,6-Tetrachlorophenol	0.701	0.171	"	0.854	ND	82.2	30-130		2.13	30	
2,4,5-Trichlorophenol	0.661	0.0854	"	0.854	ND	77.4	10-127		2.02	30	
2,4,6-Trichlorophenol	0.770	0.0854	"	0.854	ND	90.2	10-132		4.15	30	
2,4-Dichlorophenol	0.734	0.0854	"	0.854	ND	86.0	10-128		3.86	30	
2,4-Dimethylphenol	0.496	0.0854	"	0.854	ND	58.2	10-137		2.86	30	
2,4-Dinitrophenol	0.815	0.171	"	0.854	ND	95.4	10-171		3.63	30	
2,4-Dinitrotoluene	0.881	0.0854	"	0.854	ND	103	16-135		3.54	30	
2,6-Dinitrotoluene	0.808	0.0854	"	0.854	ND	94.6	18-131		5.26	30	
2-Chloronaphthalene	0.632	0.0854	"	0.854	ND	74.0	10-129		1.61	30	
2-Chlorophenol	0.611	0.0854	"	0.854	ND	71.6	15-116		3.13	30	
2-Methylnaphthalene	0.699	0.0854	"	0.854	ND	81.9	10-147		1.77	30	
2-Methylphenol	0.627	0.0854	"	0.854	ND	73.4	10-136		0.788	30	
2-Nitroaniline	0.707	0.171	"	0.854	ND	82.9	10-137		3.19	30	
2-Nitrophenol	0.788	0.0854	"	0.854	ND	92.3	10-129		0.226	30	
3- & 4-Methylphenols	0.560	0.0854	"	0.854	ND	65.6	10-123		2.62	30	
3,3-Dichlorobenzidine	0.507	0.0854	"	0.854	ND	59.4	10-155		6.64	30	
3-Nitroaniline	0.616	0.171	"	0.854	ND	72.2	12-133		2.67	30	
4,6-Dinitro-2-methylphenol	1.00	0.171	"	0.854	ND	118	10-155		8.38	30	
4-Bromophenyl phenyl ether	0.696	0.0854	"	0.854	ND	81.5	14-128		6.20	30	
4-Chloro-3-methylphenol	0.761	0.0854	"	0.854	ND	89.2	10-134		3.72	30	
4-Chloroaniline	0.512	0.0854	"	0.854	ND	60.0	10-145		7.40	30	
4-Chlorophenyl phenyl ether	0.689	0.0854	"	0.854	ND	80.7	14-130		4.36	30	
4-Nitroaniline	0.568	0.171	"	0.854	ND	66.6	10-147		3.66	30	
4-Nitrophenol	1.17	0.171	"	0.854	ND	137	10-137		1.63	30	
Acenaphthene	0.608	0.0854	"	0.854	ND	71.2	10-146		4.01	30	
Acenaphthylene	0.593	0.0854	"	0.854	ND	69.4	10-134		3.41	30	
Acetophenone	0.516	0.0854	"	0.854	ND	60.4	10-116		4.41	30	
Aniline	0.397	0.342	"	0.854	ND	46.6	10-123		32.6	30	Non-dir.
Anthracene	0.635	0.0854	"	0.854	ND	74.4	10-142		7.00	30	
Atrazine	0.529	0.0854	"	0.854	ND	61.9	19-115		7.21	30	
Benzaldehyde	0.440	0.0854	"	0.854	ND	51.6	10-125		1.92	30	
Benzo(a)anthracene	0.690	0.0854	"	0.854	ND	80.8	10-158		5.73	30	
Benzo(a)pyrene	0.698	0.0854	"	0.854	ND	81.8	10-180		4.64	30	
Benzo(b)fluoranthene	0.731	0.0854	"	0.854	ND	85.7	10-200		6.56	30	
Benzo(g,h,i)perylene	0.686	0.0854	"	0.854	ND	80.4	10-138		6.04	30	
Benzo(k)fluoranthene	0.744	0.0854	"	0.854	ND	87.1	10-197		6.41	30	
Benzoic acid	0.353	0.0854	"	0.854	ND	41.4	10-166		22.0	30	
Benzyl alcohol	0.574	0.0854	"	0.854	ND	67.3	12-124		1.68	30	
Benzyl butyl phthalate	0.588	0.0854	"	0.854	ND	68.9	10-154		3.90	30	
Bis(2-chloroethoxy)methane	0.679	0.0854	"	0.854	ND	79.6	10-132		0.834	30	
Bis(2-chloroethyl)ether	0.600	0.0854	"	0.854	ND	70.3	10-119		0.513	30	
Bis(2-chloroisopropyl)ether	0.540	0.0854	"	0.854	ND	63.3	10-139		1.22	30	
Bis(2-ethylhexyl)phthalate	0.623	0.0854	"	0.854	ND	73.0	10-167		4.66	30	
Caprolactam	0.610	0.171	"	0.854	ND	71.5	10-132		5.33	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30120 - EPA 3546 SVOA

Matrix Spike Dup (BH30120-1) Matrix Spike Dup					Source sample: 23G1620-02 (Matrix Spike Dup)							Prepared: 08/02/2023 Analyzed: 08/04/2023	
Carbazole	0.621	0.0854	mg/kg dry	0.854	ND	72.8	10-167		6.51	30			
Chrysene	0.720	0.0854	"	0.854	ND	84.3	10-156		5.74	30			
Dibenzo(a,h)anthracene	0.690	0.0854	"	0.854	ND	80.9	10-137		8.32	30			
Dibenzofuran	0.673	0.0854	"	0.854	ND	78.8	10-147		3.77	30			
Diethyl phthalate	0.677	0.0854	"	0.854	ND	79.3	20-120		3.35	30			
Dimethyl phthalate	0.673	0.0854	"	0.854	ND	78.8	18-131		4.43	30			
Di-n-butyl phthalate	0.601	0.0854	"	0.854	ND	70.4	10-137		6.08	30			
Di-n-octyl phthalate	0.611	0.0854	"	0.854	ND	71.6	10-180		5.42	30			
Fluoranthene	0.661	0.0854	"	0.854	ND	77.4	10-160		7.39	30			
Fluorene	0.626	0.0854	"	0.854	ND	73.4	10-157		4.63	30			
Hexachlorobenzene	0.670	0.0854	"	0.854	ND	78.5	10-137		9.54	30			
Hexachlorobutadiene	0.852	0.0854	"	0.854	ND	99.8	10-132		0.534	30			
Hexachlorocyclopentadiene	0.312	0.0854	"	0.854	ND	36.6	10-106		7.16	30			
Hexachloroethane	0.617	0.0854	"	0.854	ND	72.2	10-110		0.431	30			
Indeno(1,2,3-cd)pyrene	0.670	0.0854	"	0.854	ND	78.5	10-144		6.90	30			
Isophorone	0.671	0.0854	"	0.854	ND	78.6	10-132		1.17	30			
Naphthalene	0.649	0.0854	"	0.854	ND	76.1	10-141		1.40	30			
Nitrobenzene	0.718	0.0854	"	0.854	ND	84.2	10-131		3.82	30			
N-Nitrosodimethylamine	0.546	0.0854	"	0.854	ND	63.9	10-126		1.30	30			
N-nitroso-di-n-propylamine	0.580	0.0854	"	0.854	ND	68.0	10-125		0.0468	30			
N-Nitrosodiphenylamine	0.705	0.0854	"	0.854	ND	82.6	10-177		4.12	30			
Pentachlorophenol	0.679	0.0854	"	0.854	ND	79.6	10-153		8.76	30			
Phenanthrene	0.646	0.0854	"	0.854	ND	75.7	10-148		5.49	30			
Phenol	0.670	0.0854	"	0.854	ND	78.5	10-126		2.15	30			
Pyrene	0.660	0.0854	"	0.854	ND	77.4	10-165		3.79	30			
Pyridine	0.448	0.342	"	0.854	ND	52.5	10-83		3.58	30			
Surrogate: SURR: 2-Fluorophenol	1.25		"	1.71		73.3	20-108						
Surrogate: SURR: Phenol-d6	1.23		"	1.71		72.0	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.724		"	0.854		84.8	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.661		"	0.854		77.4	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.93		"	1.71		113	19-110						
Surrogate: SURR: Terphenyl-d14	0.717		"	0.854		84.0	24-116						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30419 - EPA 3550C

Blank (BH30419-BLK1)	Blank	Prepared: 08/07/2023 Analyzed: 08/08/2023									
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30419 - EPA 3550C

Blank (BH30419-BLK1)	Blank	Prepared: 08/07/2023 Analyzed: 08/08/2023				
Caprolactam	ND	0.0833	mg/kg wet			
Carbazole	ND	0.0417	"			
Chrysene	ND	0.0417	"			
Dibenzo(a,h)anthracene	ND	0.0417	"			
Dibenzofuran	ND	0.0417	"			
Diethyl phthalate	ND	0.0417	"			
Dimethyl phthalate	ND	0.0417	"			
Di-n-butyl phthalate	ND	0.0417	"			
Di-n-octyl phthalate	ND	0.0417	"			
Fluoranthene	ND	0.0417	"			
Fluorene	ND	0.0417	"			
Hexachlorobenzene	ND	0.0417	"			
Hexachlorobutadiene	ND	0.0417	"			
Hexachlorocyclopentadiene	ND	0.0417	"			
Hexachloroethane	ND	0.0417	"			
Indeno(1,2,3-cd)pyrene	ND	0.0417	"			
Isophorone	ND	0.0417	"			
Naphthalene	ND	0.0417	"			
Nitrobenzene	ND	0.0417	"			
N-Nitrosodimethylamine	ND	0.0417	"			
N-nitroso-di-n-propylamine	ND	0.0417	"			
N-Nitrosodiphenylamine	ND	0.0417	"			
Pentachlorophenol	ND	0.0417	"			
Phenanthrene	ND	0.0417	"			
Phenol	ND	0.0417	"			
Pyrene	ND	0.0417	"			
Pyridine	ND	0.167	"			
Surrogate: SURR: 2-Fluorophenol	0.885		"	1.67	53.1	20-108
Surrogate: SURR: Phenol-d6	0.768		"	1.67	46.1	23-114
Surrogate: SURR: Nitrobenzene-d5	0.456		"	0.833	54.7	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.452		"	0.833	54.3	21-113
Surrogate: SURR: 2,4,6-Tribromophenol	0.870		"	1.67	52.2	19-110
Surrogate: SURR: Terphenyl-d14	0.569		"	0.833	68.2	24-116



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30419 - EPA 3550C											
LCS (BH30419-BS1)	LCS	Prepared: 08/07/2023 Analyzed: 08/08/2023									
1,1-Biphenyl	0.487	0.0417	mg/kg wet	0.833		58.5	18-111				
1,2,4,5-Tetrachlorobenzene	0.510	0.0833	"	0.833		61.2	21-131				
1,2,4-Trichlorobenzene	0.385	0.0417	"	0.833		46.2	10-140				
1,2-Dichlorobenzene	0.360	0.0417	"	0.833		43.2	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.395	0.0417	"	0.833		47.4	17-137				
1,3-Dichlorobenzene	0.355	0.0417	"	0.833		42.6	33-110				
1,4-Dichlorobenzene	0.356	0.0417	"	0.833		42.7	32-104				
2,3,4,6-Tetrachlorophenol	0.526	0.0833	"	0.833		63.2	30-130				
2,4,5-Trichlorophenol	0.425	0.0417	"	0.833		51.0	27-118				
2,4,6-Trichlorophenol	0.383	0.0417	"	0.833		46.0	31-120				
2,4-Dichlorophenol	0.393	0.0417	"	0.833		47.1	20-127				
2,4-Dimethylphenol	0.380	0.0417	"	0.833		45.6	14-132				
2,4-Dinitrophenol	0.340	0.0833	"	0.833		40.8	10-171				
2,4-Dinitrotoluene	0.377	0.0417	"	0.833		45.2	34-131				
2,6-Dinitrotoluene	0.385	0.0417	"	0.833		46.2	31-128				
2-Chloronaphthalene	0.385	0.0417	"	0.833		46.2	31-117				
2-Chlorophenol	0.376	0.0417	"	0.833		45.1	33-113				
2-Methylnaphthalene	0.394	0.0417	"	0.833		47.3	12-138				
2-Methylphenol	0.403	0.0417	"	0.833		48.4	10-136				
2-Nitroaniline	0.393	0.0833	"	0.833		47.2	27-132				
2-Nitrophenol	0.402	0.0417	"	0.833		48.2	17-129				
3- & 4-Methylphenols	0.332	0.0417	"	0.833		39.8	29-103				
3,3-Dichlorobenzidine	0.532	0.0417	"	0.833		63.8	22-149				
3-Nitroaniline	0.393	0.0833	"	0.833		47.2	20-133				
4,6-Dinitro-2-methylphenol	0.417	0.0833	"	0.833		50.0	10-143				
4-Bromophenyl phenyl ether	0.400	0.0417	"	0.833		48.0	29-120				
4-Chloro-3-methylphenol	0.436	0.0417	"	0.833		52.3	24-129				
4-Chloroaniline	0.265	0.0417	"	0.833		31.8	10-132				
4-Chlorophenyl phenyl ether	0.401	0.0417	"	0.833		48.1	27-124				
4-Nitroaniline	0.345	0.0833	"	0.833		41.4	16-128				
4-Nitrophenol	0.544	0.0833	"	0.833		65.2	10-141				
Acenaphthene	0.387	0.0417	"	0.833		46.5	30-121				
Acenaphthylene	0.369	0.0417	"	0.833		44.2	30-115				
Acetophenone	0.480	0.0417	"	0.833		57.6	20-112				
Aniline	0.199	0.167	"	0.833		23.9	10-119				
Anthracene	0.384	0.0417	"	0.833		46.1	34-118				
Atrazine	0.546	0.0417	"	0.833		65.5	26-112				
Benzaldehyde	0.453	0.0417	"	0.833		54.4	21-100				
Benzo(a)anthracene	0.399	0.0417	"	0.833		47.9	32-122				
Benzo(a)pyrene	0.367	0.0417	"	0.833		44.0	29-133				
Benzo(b)fluoranthene	0.387	0.0417	"	0.833		46.4	25-133				
Benzo(g,h,i)perylene	0.370	0.0417	"	0.833		44.4	10-143				
Benzo(k)fluoranthene	0.412	0.0417	"	0.833		49.4	25-128				
Benzoic acid	0.276	0.0417	"	0.833		33.1	10-140				
Benzyl alcohol	0.365	0.0417	"	0.833		43.8	30-115				
Benzyl butyl phthalate	0.399	0.0417	"	0.833		47.9	26-126				
Bis(2-chloroethoxy)methane	0.391	0.0417	"	0.833		46.9	19-132				
Bis(2-chloroethyl)ether	0.359	0.0417	"	0.833		43.0	19-125				
Bis(2-chloroisopropyl)ether	0.356	0.0417	"	0.833		42.8	20-135				
Bis(2-ethylhexyl)phthalate	0.394	0.0417	"	0.833		47.2	10-155				
Caprolactam	0.459	0.0833	"	0.833		55.1	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30419 - EPA 3550C

LCS (BH30419-BS1)	LCS	Prepared: 08/07/2023 Analyzed: 08/08/2023									
Carbazole	0.371	0.0417	mg/kg wet	0.833		44.5	35-123				
Chrysene	0.401	0.0417	"	0.833		48.1	32-123				
Dibenzo(a,h)anthracene	0.379	0.0417	"	0.833		45.4	10-136				
Dibenzofuran	0.384	0.0417	"	0.833		46.1	29-121				
Diethyl phthalate	0.411	0.0417	"	0.833		49.4	34-116				
Dimethyl phthalate	0.404	0.0417	"	0.833		48.5	35-124				
Di-n-butyl phthalate	0.397	0.0417	"	0.833		47.7	31-116				
Di-n-octyl phthalate	0.394	0.0417	"	0.833		47.3	26-136				
Fluoranthene	0.379	0.0417	"	0.833		45.5	33-122				
Fluorene	0.385	0.0417	"	0.833		46.2	29-123				
Hexachlorobenzene	0.427	0.0417	"	0.833		51.3	21-124				
Hexachlorobutadiene	0.402	0.0417	"	0.833		48.2	10-149				
Hexachlorocyclopentadiene	0.253	0.0417	"	0.833		30.3	10-129				
Hexachloroethane	0.379	0.0417	"	0.833		45.5	28-108				
Indeno(1,2,3-cd)pyrene	0.289	0.0417	"	0.833		34.7	10-135				
Isophorone	0.411	0.0417	"	0.833		49.4	20-132				
Naphthalene	0.396	0.0417	"	0.833		47.6	23-124				
Nitrobenzene	0.404	0.0417	"	0.833		48.4	13-132				
N-Nitrosodimethylamine	0.329	0.0417	"	0.833		39.5	11-129				
N-nitroso-di-n-propylamine	0.373	0.0417	"	0.833		44.7	24-119				
N-Nitrosodiphenylamine	0.438	0.0417	"	0.833		52.6	22-152				
Pentachlorophenol	0.561	0.0417	"	0.833		67.3	10-139				
Phenanthrene	0.381	0.0417	"	0.833		45.7	33-123				
Phenol	0.347	0.0417	"	0.833		41.6	23-115				
Pyrene	0.427	0.0417	"	0.833		51.2	24-130				
Pyridine	0.259	0.167	"	0.833		31.1	10-91				
Surrogate: SURR: 2-Fluorophenol	1.07		"	1.67		64.0	20-108				
Surrogate: SURR: Phenol-d6	1.03		"	1.67		61.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.545		"	0.833		65.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.519		"	0.833		62.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.12		"	1.67		67.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.604		"	0.833		72.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30419 - EPA 3550C

Matrix Spike (BH30419-MS1)	Matrix Spike	*Source sample: 23H0166-01 (Matrix Spike)						Prepared: 08/07/2023 Analyzed: 08/08/2023			
1,1-Biphenyl	0.569	0.0877	mg/kg dry	0.876	ND	64.9	10-130				
1,2,4,5-Tetrachlorobenzene	0.578	0.175	"	0.876	ND	65.9	10-133				
1,2,4-Trichlorobenzene	0.430	0.0877	"	0.876	ND	49.0	10-127				
1,2-Dichlorobenzene	0.371	0.0877	"	0.876	ND	42.3	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.454	0.0877	"	0.876	ND	51.8	10-144				
1,3-Dichlorobenzene	0.367	0.0877	"	0.876	ND	41.8	11-111				
1,4-Dichlorobenzene	0.377	0.0877	"	0.876	ND	43.0	10-106				
2,3,4,6-Tetrachlorophenol	0.480	0.175	"	0.876	ND	54.8	30-130				
2,4,5-Trichlorophenol	0.417	0.0877	"	0.876	ND	47.5	10-127				
2,4,6-Trichlorophenol	0.393	0.0877	"	0.876	ND	44.8	10-132				
2,4-Dichlorophenol	0.466	0.0877	"	0.876	ND	53.1	10-128				
2,4-Dimethylphenol	0.379	0.0877	"	0.876	ND	43.2	10-137				
2,4-Dinitrophenol	ND	0.175	"	0.876	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.403	0.0877	"	0.876	ND	46.0	16-135				
2,6-Dinitrotoluene	0.399	0.0877	"	0.876	ND	45.5	18-131				
2-Chloronaphthalene	0.418	0.0877	"	0.876	ND	47.7	10-129				
2-Chlorophenol	0.370	0.0877	"	0.876	ND	42.2	15-116				
2-Methylnaphthalene	0.884	0.0877	"	0.876	0.0513	95.0	10-147				
2-Methylphenol	0.403	0.0877	"	0.876	ND	46.0	10-136				
2-Nitroaniline	0.374	0.175	"	0.876	ND	42.7	10-137				
2-Nitrophenol	0.453	0.0877	"	0.876	ND	51.7	10-129				
3- & 4-Methylphenols	0.313	0.0877	"	0.876	ND	35.8	10-123				
3,3-Dichlorobenzidine	0.442	0.0877	"	0.876	ND	50.4	10-155				
3-Nitroaniline	0.374	0.175	"	0.876	ND	42.7	12-133				
4,6-Dinitro-2-methylphenol	0.347	0.175	"	0.876	ND	39.6	10-155				
4-Bromophenyl phenyl ether	0.426	0.0877	"	0.876	ND	48.6	14-128				
4-Chloro-3-methylphenol	0.393	0.0877	"	0.876	ND	44.8	10-134				
4-Chloroaniline	0.259	0.0877	"	0.876	ND	29.6	10-145				
4-Chlorophenyl phenyl ether	0.394	0.0877	"	0.876	ND	45.0	14-130				
4-Nitroaniline	0.274	0.175	"	0.876	ND	31.3	10-147				
4-Nitrophenol	0.581	0.175	"	0.876	ND	66.2	10-137				
Acenaphthene	0.447	0.0877	"	0.876	ND	51.0	10-146				
Acenaphthylene	0.383	0.0877	"	0.876	ND	43.7	10-134				
Acetophenone	0.540	0.0877	"	0.876	ND	61.6	10-116				
Aniline	0.201	0.351	"	0.876	ND	23.0	10-123				
Anthracene	0.430	0.0877	"	0.876	ND	49.0	10-142				
Atrazine	0.632	0.0877	"	0.876	ND	72.1	19-115				
Benzaldehyde	0.521	0.0877	"	0.876	ND	59.4	10-125				
Benzo(a)anthracene	0.427	0.0877	"	0.876	ND	48.7	10-158				
Benzo(a)pyrene	0.452	0.0877	"	0.876	ND	51.6	10-180				
Benzo(b)fluoranthene	0.452	0.0877	"	0.876	ND	51.5	10-200				
Benzo(g,h,i)perylene	0.433	0.0877	"	0.876	ND	49.4	10-138				
Benzo(k)fluoranthene	0.485	0.0877	"	0.876	ND	55.3	10-197				
Benzoic acid	0.647	0.0877	"	0.876	ND	73.8	10-166				
Benzyl alcohol	0.352	0.0877	"	0.876	ND	40.2	12-124				
Benzyl butyl phthalate	0.408	0.0877	"	0.876	ND	46.6	10-154				
Bis(2-chloroethoxy)methane	0.358	0.0877	"	0.876	ND	40.9	10-132				
Bis(2-chloroethyl)ether	0.348	0.0877	"	0.876	ND	39.7	10-119				
Bis(2-chloroisopropyl)ether	0.377	0.0877	"	0.876	ND	43.0	10-139				
Bis(2-ethylhexyl)phthalate	0.848	0.0877	"	0.876	ND	96.7	10-167				
Caprolactam	0.459	0.175	"	0.876	ND	52.3	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30419 - EPA 3550C

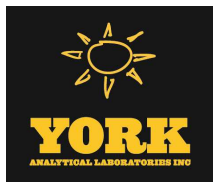
Matrix Spike (BH30419-MS1)	Matrix Spike	*Source sample: 23H0166-01 (Matrix Spike)						Prepared: 08/07/2023 Analyzed: 08/08/2023			
Carbazole	0.400	0.0877	mg/kg dry	0.876	ND	45.6	10-167				
Chrysene	0.447	0.0877	"	0.876	ND	51.0	10-156				
Dibenzo(a,h)anthracene	0.426	0.0877	"	0.876	ND	48.6	10-137				
Dibenzofuran	0.404	0.0877	"	0.876	ND	46.1	10-147				
Diethyl phthalate	0.382	0.0877	"	0.876	ND	43.6	20-120				
Dimethyl phthalate	0.372	0.0877	"	0.876	ND	42.4	18-131				
Di-n-butyl phthalate	0.418	0.0877	"	0.876	ND	47.7	10-137				
Di-n-octyl phthalate	0.449	0.0877	"	0.876	ND	51.2	10-180				
Fluoranthene	0.381	0.0877	"	0.876	ND	43.5	10-160				
Fluorene	0.466	0.0877	"	0.876	ND	53.1	10-157				
Hexachlorobenzene	0.563	0.0877	"	0.876	ND	64.2	10-137				
Hexachlorobutadiene	0.409	0.0877	"	0.876	ND	46.6	10-132				
Hexachlorocyclopentadiene	0.236	0.0877	"	0.876	ND	27.0	10-106				
Hexachloroethane	0.736	0.0877	"	0.876	ND	83.9	10-110				
Indeno(1,2,3-cd)pyrene	0.408	0.0877	"	0.876	ND	46.6	10-144				
Isophorone	0.412	0.0877	"	0.876	ND	47.0	10-132				
Naphthalene	0.563	0.0877	"	0.876	ND	64.2	10-141				
Nitrobenzene	0.426	0.0877	"	0.876	ND	48.6	10-131				
N-Nitrosodimethylamine	0.269	0.0877	"	0.876	ND	30.7	10-126				
N-nitroso-di-n-propylamine	0.372	0.0877	"	0.876	ND	42.4	10-125				
N-Nitrosodiphenylamine	0.605	0.0877	"	0.876	ND	69.0	10-177				
Pentachlorophenol	0.561	0.0877	"	0.876	ND	64.0	10-153				
Phenanthrene	0.525	0.0877	"	0.876	ND	59.9	10-148				
Phenol	0.380	0.0877	"	0.876	ND	43.4	10-126				
Pyrene	0.416	0.0877	"	0.876	ND	47.4	10-165				
Pyridine	0.230	0.351	"	0.876	ND	26.2	10-83				
Surrogate: SURR: 2-Fluorophenol	1.41		"	1.75		80.7	20-108				
Surrogate: SURR: Phenol-d6	1.36		"	1.75		77.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.773		"	0.876		88.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.731		"	0.876		83.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.65		"	1.75		94.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.689		"	0.876		78.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30419 - EPA 3550C											
Matrix Spike Dup (BH30419-1)				Source sample: 23H0166-01 (Matrix Spike Dup)				Prepared: 08/07/2023 Analyzed: 08/08/2023			
1,1-Biphenyl	0.508	0.0886	mg/kg dry	0.885	ND	57.4	10-130		11.2	30	
1,2,4,5-Tetrachlorobenzene	0.543	0.177	"	0.885	ND	61.4	10-133		6.18	30	
1,2,4-Trichlorobenzene	0.406	0.0886	"	0.885	ND	45.9	10-127		5.59	30	
1,2-Dichlorobenzene	0.342	0.0886	"	0.885	ND	38.6	14-111		8.11	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.405	0.0886	"	0.885	ND	45.8	10-144		11.3	30	
1,3-Dichlorobenzene	0.324	0.0886	"	0.885	ND	36.6	11-111		12.5	30	
1,4-Dichlorobenzene	0.332	0.0886	"	0.885	ND	37.5	10-106		12.5	30	
2,3,4,6-Tetrachlorophenol	0.625	0.177	"	0.885	ND	70.6	30-130		26.1	30	
2,4,5-Trichlorophenol	0.366	0.0886	"	0.885	ND	41.4	10-127		12.9	30	
2,4,6-Trichlorophenol	0.365	0.0886	"	0.885	ND	41.3	10-132		7.19	30	
2,4-Dichlorophenol	0.497	0.0886	"	0.885	ND	56.2	10-128		6.55	30	
2,4-Dimethylphenol	0.374	0.0886	"	0.885	ND	42.2	10-137		1.26	30	
2,4-Dinitrophenol	0.200	0.177	"	0.885	ND	22.6	10-171			30	
2,4-Dinitrotoluene	0.423	0.0886	"	0.885	ND	47.8	16-135		4.74	30	
2,6-Dinitrotoluene	0.341	0.0886	"	0.885	ND	38.6	18-131		15.6	30	
2-Chloronaphthalene	0.413	0.0886	"	0.885	ND	46.6	10-129		1.22	30	
2-Chlorophenol	0.365	0.0886	"	0.885	ND	41.2	15-116		1.51	30	
2-Methylnaphthalene	1.44	0.0886	"	0.885	0.0513	157	10-147	High Bias	47.9	30	Non-dir.
2-Methylphenol	0.345	0.0886	"	0.885	ND	39.0	10-136		15.6	30	
2-Nitroaniline	0.381	0.177	"	0.885	ND	43.0	10-137		1.73	30	
2-Nitrophenol	0.525	0.0886	"	0.885	ND	59.4	10-129		14.8	30	
3- & 4-Methylphenols	0.324	0.0886	"	0.885	ND	36.6	10-123		3.42	30	
3,3-Dichlorobenzidine	0.484	0.0886	"	0.885	ND	54.7	10-155		9.20	30	
3-Nitroaniline	0.381	0.177	"	0.885	ND	43.0	12-133		1.73	30	
4,6-Dinitro-2-methylphenol	0.416	0.177	"	0.885	ND	47.0	10-155		18.0	30	
4-Bromophenyl phenyl ether	0.426	0.0886	"	0.885	ND	48.1	14-128		0.00815	30	
4-Chloro-3-methylphenol	0.394	0.0886	"	0.885	ND	44.5	10-134		0.268	30	
4-Chloroaniline	0.256	0.0886	"	0.885	ND	29.0	10-145		1.20	30	
4-Chlorophenyl phenyl ether	0.381	0.0886	"	0.885	ND	43.0	14-130		3.38	30	
4-Nitroaniline	0.266	0.177	"	0.885	ND	30.1	10-147		2.93	30	
4-Nitrophenol	0.402	0.177	"	0.885	ND	45.4	10-137		36.3	30	Non-dir.
Acenaphthene	0.450	0.0886	"	0.885	ND	50.9	10-146		0.671	30	
Acenaphthylene	0.366	0.0886	"	0.885	ND	41.4	10-134		4.47	30	
Acetophenone	0.418	0.0886	"	0.885	ND	47.2	10-116		25.5	30	
Aniline	ND	0.355	"	0.885	ND		10-123	Low Bias		30	
Anthracene	0.651	0.0886	"	0.885	ND	73.6	10-142		41.0	30	Non-dir.
Atrazine	0.553	0.0886	"	0.885	ND	62.5	19-115		13.3	30	
Benzaldehyde	0.528	0.0886	"	0.885	ND	59.7	10-125		1.39	30	
Benzo(a)anthracene	0.416	0.0886	"	0.885	ND	47.0	10-158		2.69	30	
Benzo(a)pyrene	0.418	0.0886	"	0.885	ND	47.2	10-180		7.92	30	
Benzo(b)fluoranthene	0.420	0.0886	"	0.885	ND	47.4	10-200		7.26	30	
Benzo(g,h,i)perylene	0.296	0.0886	"	0.885	ND	33.4	10-138		37.5	30	Non-dir.
Benzo(k)fluoranthene	0.469	0.0886	"	0.885	ND	53.0	10-197		3.15	30	
Benzoic acid	0.879	0.0886	"	0.885	ND	99.4	10-166		30.4	30	Non-dir.
Benzyl alcohol	0.358	0.0886	"	0.885	ND	40.4	12-124		1.58	30	
Benzyl butyl phthalate	0.387	0.0886	"	0.885	ND	43.7	10-154		5.40	30	
Bis(2-chloroethoxy)methane	0.375	0.0886	"	0.885	ND	42.4	10-132		4.64	30	
Bis(2-chloroethyl)ether	0.328	0.0886	"	0.885	ND	37.0	10-119		5.90	30	
Bis(2-chloroisopropyl)ether	0.326	0.0886	"	0.885	ND	36.8	10-139		14.5	30	
Bis(2-ethylhexyl)phthalate	1.12	0.0886	"	0.885	ND	127	10-167		27.9	30	
Caprolactam	0.463	0.177	"	0.885	ND	52.3	10-132		0.985	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30419 - EPA 3550C

Matrix Spike Dup (BH30419-1) Matrix Spike Dup					Source sample: 23H0166-01 (Matrix Spike Dup)							Prepared: 08/07/2023 Analyzed: 08/08/2023	
Carbazole	0.358	0.0886	mg/kg dry	0.885	ND	40.5	10-167		10.9	30			
Chrysene	0.410	0.0886	"	0.885	ND	46.3	10-156		8.71	30			
Dibenzo(a,h)anthracene	0.382	0.0886	"	0.885	ND	43.2	10-137		10.7	30			
Dibenzofuran	0.414	0.0886	"	0.885	ND	46.7	10-147		2.36	30			
Diethyl phthalate	0.349	0.0886	"	0.885	ND	39.4	20-120		9.04	30			
Dimethyl phthalate	0.363	0.0886	"	0.885	ND	41.0	18-131		2.27	30			
Di-n-butyl phthalate	0.399	0.0886	"	0.885	ND	45.0	10-137		4.71	30			
Di-n-octyl phthalate	0.445	0.0886	"	0.885	ND	50.2	10-180		0.908	30			
Fluoranthene	0.393	0.0886	"	0.885	ND	44.4	10-160		2.99	30			
Fluorene	0.489	0.0886	"	0.885	ND	55.2	10-157		4.83	30			
Hexachlorobenzene	0.571	0.0886	"	0.885	ND	64.6	10-137		1.48	30			
Hexachlorobutadiene	0.435	0.0886	"	0.885	ND	49.2	10-132		6.33	30			
Hexachlorocyclopentadiene	0.167	0.0886	"	0.885	ND	18.9	10-106		34.3	30	Non-dir.		
Hexachloroethane	1.17	0.0886	"	0.885	ND	132	10-110	High Bias	45.7	30	Non-dir.		
Indeno(1,2,3-cd)pyrene	0.380	0.0886	"	0.885	ND	42.9	10-144		7.25	30			
Isophorone	0.423	0.0886	"	0.885	ND	47.8	10-132		2.67	30			
Naphthalene	0.768	0.0886	"	0.885	ND	86.7	10-141		30.7	30	Non-dir.		
Nitrobenzene	0.434	0.0886	"	0.885	ND	49.0	10-131		1.97	30			
N-Nitrosodimethylamine	0.210	0.0886	"	0.885	ND	23.8	10-126		24.6	30			
N-nitroso-di-n-propylamine	0.360	0.0886	"	0.885	ND	40.7	10-125		3.06	30			
N-Nitrosodiphenylamine	0.703	0.0886	"	0.885	ND	79.4	10-177		15.0	30			
Pentachlorophenol	0.533	0.0886	"	0.885	ND	60.2	10-153		5.07	30			
Phenanthrene	0.638	0.0886	"	0.885	ND	72.1	10-148		19.4	30			
Phenol	0.355	0.0886	"	0.885	ND	40.1	10-126		6.88	30			
Pyrene	0.392	0.0886	"	0.885	ND	44.3	10-165		5.82	30			
Pyridine	0.224	0.355	"	0.885	ND	25.4	10-83		2.43	30			
Surrogate: SURR: 2-Fluorophenol	0.964		"	1.77		54.5	20-108						
Surrogate: SURR: Phenol-d6	0.876		"	1.77		49.5	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.552		"	0.885		62.4	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.551		"	0.885		62.2	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	1.19		"	1.77		67.4	19-110						
Surrogate: SURR: Terphenyl-d14	0.472		"	0.885		53.4	24-116						



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31493 - EPA 3550C											
Blank (BG31493-BLK1)	Blank		Prepared: 07/26/2023 Analyzed: 07/27/2023								
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	343		"	495		69.2	39-127.5				
LCS (BG31493-BS1)	LCS		Prepared: 07/26/2023 Analyzed: 07/27/2023								
1,4-Dioxane	482	19.8	ug/kg	495		97.4	40-130				
Surrogate: 1,4-Dioxane-d8	317		"	495		64.0	39-127.5				
Matrix Spike (BG31493-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)					Prepared: 07/26/2023 Analyzed: 07/27/2023				
1,4-Dioxane	448	18.7	ug/kg	467	ND	95.8	40-130				
Surrogate: 1,4-Dioxane-d8	284		"	467		60.9	40-130				
Matrix Spike Dup (BG31493-MS1)	Matrix Spike Dup	*Source sample: 23G1204-01 (Matrix Spike Dup)					Prepared: 07/26/2023 Analyzed: 07/27/2023				
1,4-Dioxane	467	19.4	ug/kg	485	ND	96.2	40-130		4.23	30	
Surrogate: 1,4-Dioxane-d8	294		"	485		60.5	40-130				
Batch BG31546 - EPA 3550C											
Blank (BG31546-BLK1)	Blank		Prepared: 07/27/2023 Analyzed: 07/28/2023								
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	311		"	495		62.8	39-127.5				
LCS (BG31546-BS1)	LCS		Prepared: 07/27/2023 Analyzed: 07/28/2023								
1,4-Dioxane	462	19.8	ug/kg	495		93.4	40-130				
Surrogate: 1,4-Dioxane-d8	254		"	495		51.2	39-127.5				
Matrix Spike (BG31546-MS1)	Matrix Spike	*Source sample: 23G0969-03 (Matrix Spike)					Prepared: 07/27/2023 Analyzed: 07/28/2023				
1,4-Dioxane	472	18.7	ug/kg	467	ND	101	40-130				
Surrogate: 1,4-Dioxane-d8	57.0		"	467		12.2	40-130				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31546 - EPA 3550C

Matrix Spike Dup (BG31546-1) Matrix Spike Dup						Source sample: 23G0969-03 (Matrix Spike Dup)						Prepared: 07/27/2023 Analyzed: 07/28/2023	
1,4-Dioxane	511	19.8	ug/kg	495	ND	103	40-130		7.92	30			
Surrogate: 1,4-Dioxane-d8	106		"	495		21.4	40-130						

Batch BH30118 - EPA 3550C

Blank (BH30118-BLK1) Blank						Prepared: 08/02/2023 Analyzed: 08/03/2023							
1,4-Dioxane	ND	19.8	ug/kg										
Surrogate: 1,4-Dioxane-d8	268		"	495		54.2	39-127.5						

LCS (BH30118-BS1) LCS						Prepared: 08/02/2023 Analyzed: 08/03/2023							
1,4-Dioxane	483	19.8	ug/kg	495		97.6	40-130						
Surrogate: 1,4-Dioxane-d8	215		"	495		43.3	39-127.5						

Matrix Spike (BH30118-MS1) Matrix Spike						*Source sample: 23G1244-10 (SB08_7-9)							
1,4-Dioxane	466	19.0	ug/kg	476	ND	97.8	40-130						
Surrogate: 1,4-Dioxane-d8	294		"	476		61.6	40-130						

Matrix Spike Dup (BH30118-1) Matrix Spike Dup						Source sample: 23G1244-10 (SB08_7-9)							
1,4-Dioxane	433	18.3	ug/kg	459	ND	94.4	40-130		7.27	30			
Surrogate: 1,4-Dioxane-d8	289		"	459		63.0	40-130						



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

Blank (BG31426-BLK1) Blank		Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.197	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.197	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.180	"								
Perfluorooctanoic acid (PFOA)	ND	0.197	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.183	"								
Perfluorononanoic acid (PFNA)	ND	0.197	"								
Perfluorodecanoic acid (PFDA)	ND	0.197	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.197	"								
Perfluorododecanoic acid (PFDoA)	ND	0.197	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.197	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.197	"								
N-MeFOSAA	ND	0.197	"								
N-EtFOSAA	ND	0.197	"								
Perfluoropentanoic acid (PFPeA)	ND	0.394	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.197	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.197	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.190	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.750	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.757	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.789	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.351	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.394	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.394	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.394	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.185	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.740	"								
HFPO-DA (Gen-X)	ND	0.789	"								
11CL-PF3OUdS	ND	0.746	"								
9CL-PF3ONS	ND	0.738	"								
ADONA	ND	0.746	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.191	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.189	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.986	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.93	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.93	"								
N-MeFOSE	ND	1.97	"								
N-MeFOSA	ND	0.197	"								
N-EtFOSE	ND	1.97	"								
N-EtFOSA	ND	0.197	"								
Surrogate: M3PFBS	2.33		"	2.30		101	25-150				
Surrogate: M5PFHxA	3.89		"	2.47		158	25-150				
Surrogate: M4PFHpA	2.51		"	2.47		102	25-150				
Surrogate: M3PFHxS	1.30		"	2.34		55.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.31		"	2.47		53.2	25-150				
Surrogate: M6PFDA	0.300		"	1.23		24.4	25-150				
Surrogate: M7PFUdA	0.420		"	1.23		34.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.362		"	1.23		29.3	25-150				
Surrogate: M2PFTeDA	0.526		"	1.23		42.6	10-150				





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31426 - EPA 1633 Prep											
Blank (BG31426-BLK1)	Blank										Prepared: 07/25/2023 Analyzed: 07/28/2023
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.3		ug/kg wet	9.86		125	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	0.986		"	2.36		41.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	7.63		"	4.93		155	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	0.818		"	2.47		33.2	10-150				
Surrogate: d3-N-MeFOSAA	1.83		"	4.93		37.1	25-150				
Surrogate: d5-N-EtFOSAA	1.35		"	4.93		27.4	25-150				
Surrogate: M2-6:2 FTS	2.06		"	4.69		43.9	25-200				
Surrogate: M2-8:2 FTS	1.41		"	4.73		29.8	25-200				
Surrogate: M9PFNA	0.249		"	1.23		20.2	25-150				
Surrogate: M2-4:2 FTS	4.82		"	4.63		104	25-150				
Surrogate: d-N-MeFOSA	0.762		"	2.47		30.9	25-150				
Surrogate: d-N-EtFOSA	0.813		"	2.47		33.0	25-150				
Surrogate: M3HFPO-DA	13.4		"	9.86		136	25-150				
Surrogate: d9-N-EtFOSE	12.0		"	24.7		48.8	25-150				
Surrogate: d7-N-MeFOSE	12.2		"	24.7		49.6	25-150				
LCS (BG31426-BS1)	LCS										Prepared: 07/25/2023 Analyzed: 07/28/2023
Perfluorobutanesulfonic acid (PFBS)	3.51	0.175	ug/kg wet	3.50		100	50-150				
Perfluorohexanoic acid (PFHxA)	3.95	0.198	"	3.95		99.8	50-150				
Perfluoroheptanoic acid (PFHpA)	3.74	0.198	"	3.95		94.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.41	0.181	"	3.62		122	50-150				
Perfluorooctanoic acid (PFOA)	3.34	0.198	"	3.95		84.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.02	0.184	"	3.68		82.2	50-150				
Perfluorononanoic acid (PFNA)	3.15	0.198	"	3.95		79.6	50-150				
Perfluorodecanoic acid (PFDA)	3.29	0.198	"	3.95		83.2	50-150				
Perfluoroundecanoic acid (PFUnA)	4.79	0.198	"	3.95		121	50-150				
Perfluorododecanoic acid (PFDoA)	4.33	0.198	"	3.95		109	50-150				
Perfluorotridecanoic acid (PFTriDA)	4.47	0.198	"	3.95		113	50-150				
Perfluorotetradecanoic acid (PFTA)	4.33	0.198	"	3.95		110	50-150				
N-MeFOSAA	4.98	0.198	"	3.95		126	50-150				
N-EtFOSAA	4.45	0.198	"	3.95		113	50-150				
Perfluoropentanoic acid (PFPeA)	8.80	0.395	"	7.91		111	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.51	0.198	"	3.95		114	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.74	0.198	"	3.77		99.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.36	0.191	"	3.81		88.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	16.2	0.751	"	15.0		108	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	44.4	0.759	"	15.2		293	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	17.6	0.791	"	15.8		111	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	8.04	0.352	"	7.04		114	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	6.80	0.395	"	7.91		86.1	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.92	0.395	"	7.91		100	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	7.82	0.395	"	7.91		98.9	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	6.32	0.186	"	3.72		170	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	20.0	0.741	"	14.8		135	50-150				
HFPO-DA (Gen-X)	8.28	0.791	"	7.91		105	50-150				
11CL-PF3OUdS	6.18	0.747	"	7.47		82.7	50-150				
9CL-PF3ONS	4.43	0.739	"	7.39		59.9	50-150				
ADONA	8.76	0.747	"	7.47		117	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

LCS (BG31426-BS1)	LCS	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorododecanesulfonic acid (PFDoS)	3.93	0.192	ug/kg wet	3.83		103	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.91	0.190	"	3.79		76.7	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	48.2	0.988	"	15.8		305	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	94.1	4.94	"	79.1		119	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	17.6	4.94	"	79.1		22.2	50-150	Low Bias			
N-MeFOSE	36.3	1.98	"	39.5		91.7	50-150				
N-MeFOSA	5.10	0.198	"	3.95		129	50-150				
N-EtFOSE	37.3	1.98	"	39.5		94.5	50-150				
N-EtFOSA	0.224	0.198	"	3.95		5.67	50-150	Low Bias			
Surrogate: M3PFBS	3.65		"	2.30		159	25-150				
Surrogate: M5PFHxA	4.10		"	2.47		166	25-150				
Surrogate: M4PFHpA	2.90		"	2.47		118	25-150				
Surrogate: M3PFHxS	2.39		"	2.34		102	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.07		"	2.47		124	25-150				
Surrogate: M6PFDA	1.55		"	1.24		125	25-150				
Surrogate: M7PFUdA	1.33		"	1.24		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.73		"	1.24		140	25-150				
Surrogate: M2PFTeDA	1.76		"	1.24		142	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.50		"	9.88		86.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.71		"	2.37		114	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.39		"	4.94		170	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.76		"	2.47		71.3	10-150				
Surrogate: d3-N-MeFOSAA	3.99		"	4.94		80.8	25-150				
Surrogate: d5-N-EtFOSAA	2.76		"	4.94		55.8	25-150				
Surrogate: M2-6:2 FTS	11.2		"	4.70		239	25-200				
Surrogate: M2-8:2 FTS	2.28		"	4.74		48.1	25-200				
Surrogate: M9PFNA	1.46		"	1.24		118	25-150				
Surrogate: M2-4:2 FTS	12.3		"	4.63		265	25-150				
Surrogate: d-N-MeFOSA	1.21		"	2.47		49.1	25-150				
Surrogate: d-N-EtFOSA	24.7		"	2.47		1000	25-150				
Surrogate: M3HFPO-DA	14.9		"	9.88		150	25-150				
Surrogate: d9-N-EtFOSE	19.6		"	24.7		79.2	25-150				
Surrogate: d7-N-MeFOSE	17.1		"	24.7		69.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31426 - EPA 1633 Prep											
LCS (BG31426-BS2)	LCS						Prepared: 07/25/2023 Analyzed: 07/28/2023				
Perfluorobutanesulfonic acid (PFBS)	0.736	0.174	ug/kg wet	0.697		106	50-150				
Perfluorohexanoic acid (PFHxA)	0.802	0.197	"	0.787		102	50-150				
Perfluoroheptanoic acid (PFHpA)	0.581	0.197	"	0.787		73.9	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.725	0.180	"	0.720		101	50-150				
Perfluorooctanoic acid (PFOA)	0.867	0.197	"	0.787		110	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.849	0.183	"	0.732		116	50-150				
Perfluorononanoic acid (PFNA)	0.819	0.197	"	0.787		104	50-150				
Perfluorodecanoic acid (PFDA)	1.14	0.197	"	0.787		144	50-150				
Perfluoroundecanoic acid (PFUnA)	1.28	0.197	"	0.787		163	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	1.10	0.197	"	0.787		140	50-150				
Perfluorotridecanoic acid (PFTriDA)	1.16	0.197	"	0.787		147	50-150				
Perfluorotetradecanoic acid (PFTA)	0.912	0.197	"	0.787		116	50-150				
N-MeFOSAA	0.797	0.197	"	0.787		101	50-150				
N-EtFOSAA	0.351	0.197	"	0.787		44.5	50-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	1.64	0.394	"	1.57		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.890	0.197	"	0.787		113	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.936	0.197	"	0.752		124	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.393	0.190	"	0.760		51.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.66	0.748	"	2.99		122	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.65	0.756	"	3.02		187	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	3.26	0.787	"	3.15		103	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.58	0.350	"	1.40		113	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.38	0.394	"	1.57		87.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.74	0.394	"	1.57		111	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.52	0.394	"	1.57		96.6	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.928	0.185	"	0.740		125	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	3.47	0.738	"	2.95		117	50-150				
HFPO-DA (Gen-X)	1.43	0.787	"	1.57		91.0	50-150				
11CL-PF3OUdS	0.790	0.744	"	1.49		53.1	50-150				
9CL-PF3ONS	1.05	0.736	"	1.47		71.4	50-150				
ADONA	2.02	0.744	"	1.49		136	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.444	0.191	"	0.764		58.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.757	0.189	"	0.756		100	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	12.5	0.984	"	3.15		396	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	16.9	4.92	"	15.7		107	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	3.25	4.92	"	15.7		20.6	50-150	Low Bias			
N-MeFOSE	8.13	1.97	"	7.87		103	50-150				
N-MeFOSA	0.717	0.197	"	0.787		91.0	50-150				
N-EtFOSE	8.44	1.97	"	7.87		107	50-150				
N-EtFOSA	0.621	0.197	"	0.787		78.8	50-150				
Surrogate: M3PFBS	2.71		"	2.29		118	25-150				
Surrogate: M5PFHxA	3.99		"	2.46		162	25-150				
Surrogate: M4PFHpA	3.73		"	2.46		152	25-150				
Surrogate: M3PFHxS	2.55		"	2.33		109	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.18		"	2.46		129	25-150				
Surrogate: M6PFDA	0.921		"	1.23		74.8	25-150				
Surrogate: M7PFUdA	0.840		"	1.23		68.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.836		"	1.23		67.9	25-150				
Surrogate: M2PFTeDA	0.717		"	1.23		58.3	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

LCS (BG31426-BS2)	LCS	Prepared: 07/25/2023 Analyzed: 07/28/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	13.1		ug/kg wet	9.84		133	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.96		"	2.36		126	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	8.01		"	4.92		163	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.42		"	2.46		98.5	10-150				
Surrogate: d3-N-MeFOSAA	4.79		"	4.92		97.4	25-150				
Surrogate: d5-N-EtFOSAA	4.46		"	4.92		90.7	25-150				
Surrogate: M2-6:2 FTS	6.79		"	4.68		145	25-200				
Surrogate: M2-8:2 FTS	4.10		"	4.72		86.7	25-200				
Surrogate: M9PFNA	1.44		"	1.23		117	25-150				
Surrogate: M2-4:2 FTS	5.91		"	4.62		128	25-150				
Surrogate: d-N-MeFOSA	1.72		"	2.46		70.0	25-150				
Surrogate: d-N-EtFOSA	2.00		"	2.46		81.4	25-150				
Surrogate: M3HFPO-DA	14.7		"	9.84		149	25-150				
Surrogate: d9-N-EtFOSE	16.8		"	24.6		68.5	25-150				
Surrogate: d7-N-MeFOSE	19.4		"	24.6		78.7	25-150				

Duplicate (BG31426-DUP1)	Duplicate	*Source sample: 23G1162-11 (Duplicate) Prepared: 07/25/2023 Analyzed: 07/28/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.224	ug/kg dry	ND						30	
Perfluorohexanoic acid (PFHxA)	0.0970	0.253	"	ND						30	
Perfluoroheptanoic acid (PFHpA)	ND	0.253	"	ND						30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.232	"	ND						30	
Perfluorooctanoic acid (PFOA)	0.296	0.253	"	ND						30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.235	"	ND						30	
Perfluorononanoic acid (PFNA)	0.757	0.253	"	0.601					23.0	30	
Perfluorodecanoic acid (PFDA)	ND	0.253	"	ND						30	
Perfluoroundecanoic acid (PFUnA)	0.333	0.253	"	0.288					14.7	30	
Perfluorododecanoic acid (PFDoA)	ND	0.253	"	ND						30	
Perfluorotridecanoic acid (PFTriDA)	0.212	0.253	"	ND						30	
Perfluorotetradecanoic acid (PFTA)	ND	0.253	"	ND						30	
N-MeFOSAA	ND	0.253	"	ND						30	
N-EtFOSAA	ND	0.253	"	ND						30	
Perfluoropentanoic acid (PFPeA)	0.198	0.506	"	ND						30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.253	"	ND						30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.253	"	ND						30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.244	"	ND						30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.962	"	ND						30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.972	"	ND						30	
Perfluoro-n-butanoic acid (PFBA)	0.401	1.01	"	0.226					55.7	30	Non-dir.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.450	"	ND						30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.506	"	ND						30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.506	"	ND						30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.506	"	ND						30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.238	"	ND						30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	0.949	"	ND						30	
HFPO-DA (Gen-X)	ND	1.01	"	ND						30	
11CL-PF3OUdS	ND	0.957	"	ND						30	
9CL-PF3ONS	ND	0.946	"	ND						30	
ADONA	ND	0.957	"	ND						30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31426 - EPA 1633 Prep

Duplicate (BG31426-DUP1)	Duplicate	*Source sample: 23G1162-11 (Duplicate)				Prepared: 07/25/2023 Analyzed: 07/28/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.245	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.243	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.27	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	6.33	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	6.33	"	ND						30	
N-MeFOSE	ND	2.53	"	ND						30	
N-MeFOSA	ND	0.253	"	ND						30	
N-EtFOSE	ND	2.53	"	ND						30	
N-EtFOSA	ND	0.253	"	ND						30	
Surrogate: M3PFBS	3.50		"	2.95		119	25-150				
Surrogate: M5PFHxA	4.17		"	3.16		132	25-150				
Surrogate: M4PFHpA	3.77		"	3.16		119	25-150				
Surrogate: M3PFHxS	3.78		"	3.00		126	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.93		"	3.16		124	25-150				
Surrogate: M6PFDA	1.75		"	1.58		111	25-150				
Surrogate: M7PFUdA	2.05		"	1.58		130	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.31		"	1.58		146	25-150				
Surrogate: M2PFTeDA	1.67		"	1.58		106	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.668		"	12.7		5.28	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	5.35		"	3.03		176	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.58		"	6.33		56.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	4.03		"	3.16		128	10-150				
Surrogate: d3-N-MeFOSAA	11.8		"	6.33		186	25-150				
Surrogate: d5-N-EtFOSAA	14.3		"	6.33		227	25-150				
Surrogate: M2-6:2 FTS	22.0		"	6.02		366	25-200				
Surrogate: M2-8:2 FTS	18.4		"	6.07		303	25-200				
Surrogate: M9PFNA	2.04		"	1.58		129	25-150				
Surrogate: M2-4:2 FTS	10.8		"	5.93		181	25-150				
Surrogate: d-N-MeFOSA	3.39		"	3.16		107	25-150				
Surrogate: d-N-EtFOSA	2.01		"	3.16		63.5	25-150				
Surrogate: M3HFPO-DA	12.3		"	12.7		96.9	25-150				
Surrogate: d9-N-EtFOSE	22.8		"	31.6		72.2	25-150				
Surrogate: d7-N-MeFOSE	26.1		"	31.6		82.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

Blank (BG31430-BLK1)	Blank	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	68.3		"	46.6		147	25-150				
Surrogate: M5PFHxA	76.7		"	50.0		153	25-150				
Surrogate: M4PFHpA	64.6		"	50.0		129	25-150				
Surrogate: M3PFHxS	70.4		"	47.4		149	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	64.4		"	50.0		129	25-150				
Surrogate: M6PFDA	25.4		"	25.0		101	25-150				
Surrogate: M7PFUdA	24.6		"	25.0		98.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.0		"	25.0		104	25-150				
Surrogate: M2PFTeDA	19.2		"	25.0		76.9	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

Blank (BG31430-BLK1)	Blank	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	268		ng/L	200		134	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	76.1		"	47.9		159	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	151		"	100		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.8		"	50.0		124	10-150				
Surrogate: d3-N-MeFOSAA	117		"	100		117	25-150				
Surrogate: d5-N-EtFOSAA	109		"	100		109	25-150				
Surrogate: M2-6:2 FTS	113		"	95.1		119	25-200				
Surrogate: M2-8:2 FTS	110		"	96.0		115	25-200				
Surrogate: M9PFNA	30.6		"	25.0		122	25-150				
Surrogate: M2-4:2 FTS	115		"	93.8		123	25-150				
Surrogate: d-N-MeFOSA	40.7		"	50.0		81.5	25-150				
Surrogate: d-N-EtFOSA	19.5		"	50.0		39.0	25-150				
Surrogate: M3HFPO-DA	288		"	200		144	25-150				
Surrogate: d9-N-EtFOSE	427		"	500		85.5	25-150				
Surrogate: d7-N-MeFOSE	454		"	500		90.9	25-150				

LCS (BG31430-BS1)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorobutanesulfonic acid (PFBS)	72.8	3.54	ng/L	70.8		103	50-150				
Perfluorohexanoic acid (PFHxA)	86.0	4.00	"	80.0		107	50-150				
Perfluoroheptanoic acid (PFHpA)	76.5	4.00	"	80.0		95.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	75.5	3.66	"	73.2		103	50-150				
Perfluorooctanoic acid (PFOA)	75.3	4.00	"	80.0		94.2	50-150				
Perfluorooctanesulfonic acid (PFOS)	65.0	3.72	"	74.4		87.3	50-150				
Perfluorononanoic acid (PFNA)	60.9	4.00	"	80.0		76.1	50-150				
Perfluorodecanoic acid (PFDA)	78.1	4.00	"	80.0		97.7	50-150				
Perfluoroundecanoic acid (PFUnA)	110	4.00	"	80.0		137	50-150				
Perfluorododecanoic acid (PFDoA)	77.2	4.00	"	80.0		96.5	50-150				
Perfluorotridecanoic acid (PFTriDA)	116	4.00	"	80.0		145	50-150				
Perfluorotetradecanoic acid (PFTA)	90.9	4.00	"	80.0		114	50-150				
N-MeFOSAA	122	4.00	"	80.0		152	50-150	High Bias			
N-EtFOSAA	66.8	4.00	"	80.0		83.5	50-150				
Perfluoropentanoic acid (PFPeA)	173	8.00	"	160		108	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	99.9	4.00	"	80.0		125	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	96.1	3.82	"	76.4		126	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	64.6	3.86	"	77.2		83.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	339	15.2	"	304		112	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	570	15.4	"	307		185	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	332	16.0	"	320		104	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	166	7.12	"	142		117	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	152	8.00	"	160		95.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	178	8.00	"	160		111	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	164	8.00	"	160		102	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	102	3.76	"	75.2		136	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	359	15.0	"	300		120	50-150				
HFPO-DA (Gen-X)	197	16.0	"	160		123	50-150				
11CL-PF3OUdS	132	15.1	"	151		87.3	50-150				
9CL-PF3ONS	144	15.0	"	150		96.2	50-150				
ADONA	194	15.1	"	151		129	50-150				





PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

LCS (BG31430-BS1)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorododecanesulfonic acid (PFDoS)	39.8	3.88	ng/L	77.6		51.3	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	87.3	3.84	"	76.8		114	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1600	10.0	"	320		500	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2030	50.0	"	1600		127	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	359	50.0	"	1600		22.4	50-150	Low Bias			
N-MeFOSE	792	40.0	"	800		99.0	50-150				
N-MeFOSA	114	4.00	"	80.0		143	50-150				
N-EtFOSE	824	40.0	"	800		103	50-150				
N-EtFOSA	69.8	4.00	"	80.0		87.2	50-150				
Surrogate: M3PFBS	56.1		"	46.6		120	25-150				
Surrogate: M5PFHxA	78.4		"	50.0		157	25-150				
Surrogate: M4PFHpA	59.8		"	50.0		120	25-150				
Surrogate: M3PFHxS	50.3		"	47.4		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.0		"	50.0		122	25-150				
Surrogate: M6PFDA	37.6		"	25.0		150	25-150				
Surrogate: M7PFUdA	26.8		"	25.0		107	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	23.9		"	25.0		95.7	25-150				
Surrogate: M2PFTeDA	14.4		"	25.0		57.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	269		"	200		135	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.9		"	47.9		171	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	162		"	100		162	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	68.9		"	50.0		138	10-150				
Surrogate: d3-N-MeFOSAA	142		"	100		142	25-150				
Surrogate: d5-N-EtFOSAA	175		"	100		175	25-150				
Surrogate: M2-6:2 FTS	168		"	95.1		177	25-200				
Surrogate: M2-8:2 FTS	112		"	96.0		117	25-200				
Surrogate: M9PFNA	36.4		"	25.0		146	25-150				
Surrogate: M2-4:2 FTS	144		"	93.8		154	25-150				
Surrogate: d-N-MeFOSA	35.0		"	50.0		70.0	25-150				
Surrogate: d-N-EtFOSA	30.4		"	50.0		60.8	25-150				
Surrogate: M3HFPO-DA	282		"	200		141	25-150				
Surrogate: d9-N-EtFOSE	293		"	500		58.7	25-150				
Surrogate: d7-N-MeFOSE	413		"	500		82.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31430 - EPA 1633 Prep											
LCS (BG31430-BS2)	LCS						Prepared: 07/26/2023 Analyzed: 07/27/2023				
Perfluorobutanesulfonic acid (PFBS)	17.3	3.54	ng/L	14.2		122	50-150				
Perfluorohexanoic acid (PFHxA)	16.9	4.00	"	16.0		105	50-150				
Perfluoroheptanoic acid (PFHpA)	13.7	4.00	"	16.0		85.7	50-150				
Perfluorohexanesulfonic acid (PFHxS)	15.3	3.66	"	14.6		105	50-150				
Perfluorooctanoic acid (PFOA)	18.6	4.00	"	16.0		116	50-150				
Perfluorooctanesulfonic acid (PFOS)	19.8	3.72	"	14.9		133	50-150				
Perfluorononanoic acid (PFNA)	17.4	4.00	"	16.0		109	50-150				
Perfluorodecanoic acid (PFDA)	21.0	4.00	"	16.0		131	50-150				
Perfluoroundecanoic acid (PFUnA)	25.4	4.00	"	16.0		159	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	21.9	4.00	"	16.0		137	50-150				
Perfluorotridecanoic acid (PFTriDA)	27.7	4.00	"	16.0		173	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	18.6	4.00	"	16.0		116	50-150				
N-MeFOSAA	24.9	4.00	"	16.0		156	50-150	High Bias			
N-EtFOSAA	13.4	4.00	"	16.0		83.9	50-150				
Perfluoropentanoic acid (PFPeA)	38.2	8.00	"	32.0		119	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	17.0	4.00	"	16.0		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	26.0	3.82	"	15.3		170	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	27.5	3.86	"	15.4		178	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	98.4	15.2	"	60.8		162	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	81.4	15.4	"	61.4		133	50-150				
Perfluoro-n-butanoic acid (PFBA)	72.6	16.0	"	64.0		114	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	36.3	7.12	"	28.5		127	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	31.3	8.00	"	32.0		97.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	28.6	8.00	"	32.0		89.5	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	34.4	8.00	"	32.0		108	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	19.8	3.76	"	15.0		131	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	79.2	15.0	"	60.0		132	50-150				
HFPO-DA (Gen-X)	33.5	16.0	"	32.0		105	50-150				
11CL-PF3OUdS	31.2	15.1	"	30.2		103	50-150				
9CL-PF3ONS	31.8	15.0	"	29.9		106	50-150				
ADONA	47.9	15.1	"	30.2		159	50-150	High Bias			
Perfluorododecanesulfonic acid (PFDoS)	17.9	3.88	"	15.5		116	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	19.6	3.84	"	15.4		128	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	352	10.0	"	64.0		551	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	420	50.0	"	320		131	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	67.3	50.0	"	320		21.0	50-150	Low Bias			
N-MeFOSE	176	40.0	"	160		110	50-150				
N-MeFOSA	18.8	4.00	"	16.0		117	50-150				
N-EtFOSE	162	40.0	"	160		101	50-150				
N-EtFOSA	15.1	4.00	"	16.0		94.2	50-150				
Surrogate: M3PFBS	53.0		"	46.6		114	25-150				
Surrogate: M5PFHxA	71.3		"	50.0		143	25-150				
Surrogate: M4PFHpA	69.1		"	50.0		138	25-150				
Surrogate: M3PFHxS	53.3		"	47.4		113	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.7		"	50.0		123	25-150				
Surrogate: M6PFDA	28.1		"	25.0		113	25-150				
Surrogate: M7PFUdA	27.1		"	25.0		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.0		"	25.0		108	25-150				
Surrogate: M2PFTeDA	18.7		"	25.0		74.9	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BG31430 - EPA 1633 Prep

LCS (BG31430-BS2)	LCS	Prepared: 07/26/2023 Analyzed: 07/27/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	103		ng/L	200		51.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	46.3		"	47.9		96.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	155		"	100		155	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.2		"	50.0		120	10-150				
Surrogate: d3-N-MeFOSAA	99.5		"	100		99.5	25-150				
Surrogate: d5-N-EtFOSAA	116		"	100		116	25-150				
Surrogate: M2-6:2 FTS	117		"	95.1		123	25-200				
Surrogate: M2-8:2 FTS	120		"	96.0		125	25-200				
Surrogate: M9PFNA	35.3		"	25.0		141	25-150				
Surrogate: M2-4:2 FTS	119		"	93.8		127	25-150				
Surrogate: d-N-MeFOSA	42.0		"	50.0		84.0	25-150				
Surrogate: d-N-EtFOSA	33.4		"	50.0		66.9	25-150				
Surrogate: M3HFPO-DA	253		"	200		127	25-150				
Surrogate: d9-N-EtFOSE	427		"	500		85.4	25-150				
Surrogate: d7-N-MeFOSE	430		"	500		85.9	25-150				

Duplicate (BG31430-DUP1)	Duplicate	*Source sample: 23G1162-15 (Duplicate) Prepared: 07/26/2023 Analyzed: 07/27/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	3.15	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	3.56	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	3.56	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	3.26	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	3.56	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	3.31	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	3.56	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	3.56	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	3.56	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	3.56	"		ND					30	
Perfluorotridecanoic acid (PFTTrDA)	ND	3.56	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	3.56	"		ND					30	
N-MeFOSAA	ND	3.56	"		ND					30	
N-EtFOSAA	ND	3.56	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	7.12	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.56	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.40	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.43	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	13.5	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	13.7	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	14.2	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	6.33	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	7.12	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.12	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	7.12	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.35	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	13.3	"		ND					30	
HFPO-DA (Gen-X)	ND	14.2	"		ND					30	
11CL-PF3OUdS	ND	13.5	"		ND					30	
9CL-PF3ONS	ND	13.3	"		ND					30	
ADONA	ND	13.5	"		ND					30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31430 - EPA 1633 Prep

Duplicate (BG31430-DUP1)	Duplicate	*Source sample: 23G1162-15 (Duplicate)				Prepared: 07/26/2023 Analyzed: 07/27/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	3.45	ng/L	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.42	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	8.90	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	44.5	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	44.5	"	ND						30	
N-MeFOSE	ND	35.6	"	ND						30	
N-MeFOSA	ND	3.56	"	ND						30	
N-EtFOSE	ND	35.6	"	ND						30	
N-EtFOSA	ND	3.56	"	ND						30	
Surrogate: M3PFBS	46.2		"	41.5		112	25-150				
Surrogate: M5PFHxA	59.6		"	44.5		134	25-150				
Surrogate: M4PFHpA	51.7		"	44.5		116	25-150				
Surrogate: M3PFHxS	45.4		"	42.2		108	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	49.7		"	44.5		112	25-150				
Surrogate: M6PFDA	23.9		"	22.2		107	25-150				
Surrogate: M7PFUdA	19.7		"	22.2		88.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.4		"	22.2		55.8	25-150				
Surrogate: M2PFTeDA	10.3		"	22.2		46.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	203		"	178		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	57.3		"	42.6		135	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	117		"	89.0		132	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	49.7		"	44.5		112	10-150				
Surrogate: d3-N-MeFOSAA	86.1		"	89.0		96.7	25-150				
Surrogate: d5-N-EtFOSAA	95.3		"	89.0		107	25-150				
Surrogate: M2-6:2 FTS	85.8		"	84.6		101	25-200				
Surrogate: M2-8:2 FTS	63.2		"	85.4		74.0	25-200				
Surrogate: M9PFNA	21.1		"	22.2		94.7	25-150				
Surrogate: M2-4:2 FTS	82.5		"	83.4		98.9	25-150				
Surrogate: d-N-MeFOSA	32.6		"	44.5		73.3	25-150				
Surrogate: d-N-EtFOSA	28.2		"	44.5		63.3	25-150				
Surrogate: M3HFPO-DA	221		"	178		124	25-150				
Surrogate: d9-N-EtFOSE	288		"	445		64.8	25-150				
Surrogate: d7-N-MeFOSE	309		"	445		69.5	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

Blank (BH30145-BLK1) Blank		Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.176	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.199	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.199	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.182	"								
Perfluorooctanoic acid (PFOA)	ND	0.199	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.185	"								
Perfluorononanoic acid (PFNA)	ND	0.199	"								
Perfluorodecanoic acid (PFDA)	ND	0.199	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.199	"								
Perfluorododecanoic acid (PFDoA)	ND	0.199	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.199	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.199	"								
N-MeFOSAA	ND	0.199	"								
N-EtFOSAA	ND	0.199	"								
Perfluoropentanoic acid (PFPeA)	ND	0.398	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.199	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.199	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.192	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.755	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.763	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.795	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	0.354	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.398	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.398	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.398	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.187	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	0.746	"								
HFPO-DA (Gen-X)	ND	0.795	"								
11CL-PF3OUdS	ND	0.751	"								
9CL-PF3ONS	ND	0.744	"								
ADONA	ND	0.751	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.193	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.191	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.994	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.97	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.97	"								
N-MeFOSE	ND	1.99	"								
N-MeFOSA	ND	0.199	"								
N-EtFOSE	ND	1.99	"								
N-EtFOSA	ND	0.199	"								
Surrogate: M3PFBS	2.18		"	2.32		94.2	25-150				
Surrogate: M5PFHxA	2.38		"	2.49		95.8	25-150				
Surrogate: M4PFHpA	1.67		"	2.49		67.1	25-150				
Surrogate: M3PFHxS	1.64		"	2.36		69.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.49		"	2.49		59.9	25-150				
Surrogate: M6PFDA	0.668		"	1.24		53.7	25-150				
Surrogate: M7PFUdA	0.684		"	1.24		55.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.548		"	1.24		44.1	25-150				
Surrogate: M2PFTeDA	0.524		"	1.24		42.2	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30145 - EPA 1633 Prep											
Blank (BH30145-BLK1)	Blank		Prepared: 08/03/2023 Analyzed: 08/08/2023								
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0838		ug/kg wet	9.94		0.843	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.21		"	2.38		51.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.507		"	4.97		10.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.43		"	2.49		57.5	10-150				
Surrogate: d3-N-MeFOSAA	2.57		"	4.97		51.6	25-150				
Surrogate: d5-N-EtFOSAA	2.63		"	4.97		53.0	25-150				
Surrogate: M2-6:2 FTS	2.08		"	4.73		44.1	25-200				
Surrogate: M2-8:2 FTS	2.41		"	4.77		50.6	25-200				
Surrogate: M9PFNA	0.750		"	1.24		60.3	25-150				
Surrogate: M2-4:2 FTS	2.69		"	4.66		57.6	25-150				
Surrogate: d-N-MeFOSA	1.29		"	2.49		51.8	25-150				
Surrogate: d-N-EtFOSA	1.31		"	2.49		52.7	25-150				
Surrogate: M3HFPO-DA	10.7		"	9.94		108	25-150				
Surrogate: d9-N-EtFOSE	8.67		"	24.9		34.9	25-150				
Surrogate: d7-N-MeFOSE	11.4		"	24.9		46.0	25-150				
LCS (BH30145-BS1)	LCS		Prepared: 08/03/2023 Analyzed: 08/08/2023								
Perfluorobutanesulfonic acid (PFBS)	4.74	0.175	ug/kg wet	3.50		135	50-150				
Perfluorohexanoic acid (PFHxA)	4.95	0.198	"	3.95		125	50-150				
Perfluoroheptanoic acid (PFHpA)	5.16	0.198	"	3.95		130	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.81	0.181	"	3.62		133	50-150				
Perfluorooctanoic acid (PFOA)	4.89	0.198	"	3.95		124	50-150				
Perfluorooctanesulfonic acid (PFOS)	5.10	0.184	"	3.68		139	50-150				
Perfluorononanoic acid (PFNA)	5.68	0.198	"	3.95		144	50-150				
Perfluorodecanoic acid (PFDA)	5.18	0.198	"	3.95		131	50-150				
Perfluoroundecanoic acid (PFUnA)	6.30	0.198	"	3.95		159	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	5.60	0.198	"	3.95		142	50-150				
Perfluorotridecanoic acid (PFTriDA)	5.82	0.198	"	3.95		147	50-150				
Perfluorotetradecanoic acid (PFTA)	4.94	0.198	"	3.95		125	50-150				
N-MeFOSAA	5.39	0.198	"	3.95		136	50-150				
N-EtFOSAA	5.16	0.198	"	3.95		130	50-150				
Perfluoropentanoic acid (PFPeA)	10.9	0.395	"	7.91		137	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.63	0.198	"	3.95		142	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.47	0.198	"	3.77		145	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.33	0.191	"	3.81		140	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	19.7	0.751	"	15.0		131	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	23.0	0.759	"	15.2		152	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	8.71	0.791	"	15.8		55.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.22	0.352	"	7.04		131	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.23	0.395	"	7.91		104	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.19	0.395	"	7.91		15.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	33.9	0.395	"	7.91		429	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	6.09	0.186	"	3.72		164	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	19.2	0.741	"	14.8		130	50-150				
HFPO-DA (Gen-X)	8.81	0.791	"	7.91		111	50-150				
11CL-PF3OUdS	3.61	0.747	"	7.47		48.3	50-150	Low Bias			
9CL-PF3ONS	3.53	0.739	"	7.39		47.8	50-150	Low Bias			
ADONA	6.70	0.747	"	7.47		89.7	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

LCS (BH30145-BS1)	LCS	Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorododecanesulfonic acid (PFDoS)	4.50	0.192	ug/kg wet	3.83		117	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.52	0.190	"	3.79		146	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	14.1	0.988	"	15.8		89.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	102	4.94	"	79.1		129	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	55.5	4.94	"	79.1		70.2	50-150				
N-MeFOSE	58.2	1.98	"	39.5		147	50-150				
N-MeFOSA	6.16	0.198	"	3.95		156	50-150	High Bias			
N-EtFOSE	54.2	1.98	"	39.5		137	50-150				
N-EtFOSA	5.07	0.198	"	3.95		128	50-150				
Surrogate: M3PFBS	2.00		"	2.30		86.8	25-150				
Surrogate: M5PFHxA	2.52		"	2.47		102	25-150				
Surrogate: M4PFHpA	1.53		"	2.47		61.9	25-150				
Surrogate: M3PFHxS	1.38		"	2.34		58.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.50		"	2.47		60.7	25-150				
Surrogate: M6PFDA	0.572		"	1.24		46.3	25-150				
Surrogate: M7PFUdA	0.486		"	1.24		39.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.454		"	1.24		36.7	25-150				
Surrogate: M2PFTeDA	0.437		"	1.24		35.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0852		"	9.88		0.862	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.09		"	2.37		46.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.395		"	4.94		8.00	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.18		"	2.47		47.9	10-150				
Surrogate: d3-N-MeFOSAA	1.92		"	4.94		38.8	25-150				
Surrogate: d5-N-EtFOSAA	1.95		"	4.94		39.4	25-150				
Surrogate: M2-6:2 FTS	1.91		"	4.70		40.7	25-200				
Surrogate: M2-8:2 FTS	2.02		"	4.74		42.7	25-200				
Surrogate: M9PFNA	0.574		"	1.24		46.5	25-150				
Surrogate: M2-4:2 FTS	2.90		"	4.63		62.6	25-150				
Surrogate: d-N-MeFOSA	1.06		"	2.47		42.8	25-150				
Surrogate: d-N-EtFOSA	1.13		"	2.47		45.6	25-150				
Surrogate: M3HFPO-DA	11.2		"	9.88		113	25-150				
Surrogate: d9-N-EtFOSE	8.73		"	24.7		35.3	25-150				
Surrogate: d7-N-MeFOSE	10.1		"	24.7		41.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30145 - EPA 1633 Prep											
LCS (BH30145-BS2)	LCS						Prepared: 08/03/2023 Analyzed: 08/08/2023				
Perfluorobutanesulfonic acid (PFBS)	0.701	0.174	ug/kg wet	0.697		101	50-150				
Perfluorohexanoic acid (PFHxA)	0.705	0.197	"	0.787		89.5	50-150				
Perfluoroheptanoic acid (PFHpA)	0.721	0.197	"	0.787		91.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.511	0.180	"	0.720		70.9	50-150				
Perfluorooctanoic acid (PFOA)	0.729	0.197	"	0.787		92.6	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.516	0.183	"	0.732		70.5	50-150				
Perfluorononanoic acid (PFNA)	0.777	0.197	"	0.787		98.6	50-150				
Perfluorodecanoic acid (PFDA)	0.613	0.197	"	0.787		77.9	50-150				
Perfluoroundecanoic acid (PFUnA)	0.724	0.197	"	0.787		91.9	50-150				
Perfluorododecanoic acid (PFDoA)	0.759	0.197	"	0.787		96.4	50-150				
Perfluorotridecanoic acid (PFTrDA)	0.756	0.197	"	0.787		96.0	50-150				
Perfluorotetradecanoic acid (PFTA)	0.728	0.197	"	0.787		92.4	50-150				
N-MeFOSAA	0.674	0.197	"	0.787		85.6	50-150				
N-EtFOSAA	0.692	0.197	"	0.787		87.8	50-150				
Perfluoropentanoic acid (PFPeA)	1.48	0.394	"	1.57		93.7	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.831	0.197	"	0.787		106	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.840	0.197	"	0.752		112	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.672	0.190	"	0.760		88.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.15	0.748	"	2.99		105	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.20	0.756	"	3.02		106	50-150				
Perfluoro-n-butanoic acid (PFBA)	1.02	0.787	"	3.15		32.4	50-150	Low Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.29	0.350	"	1.40		92.4	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.05	0.394	"	1.57		66.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.170	0.394	"	1.57		10.8	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	4.88	0.394	"	1.57		310	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	0.769	0.185	"	0.740		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	2.82	0.738	"	2.95		95.5	50-150				
HFPO-DA (Gen-X)	1.30	0.787	"	1.57		82.4	50-150				
11CL-PF3OUdS	0.597	0.744	"	1.49		40.1	50-150	Low Bias			
9CL-PF3ONS	0.634	0.736	"	1.47		43.1	50-150	Low Bias			
ADONA	1.15	0.744	"	1.49		77.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.643	0.191	"	0.764		84.2	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.758	0.189	"	0.756		100	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1.84	0.984	"	3.15		58.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	15.3	4.92	"	15.7		97.4	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	9.84	4.92	"	15.7		62.5	50-150				
N-MeFOSE	6.56	1.97	"	7.87		83.4	50-150				
N-MeFOSA	0.826	0.197	"	0.787		105	50-150				
N-EtFOSE	6.03	1.97	"	7.87		76.6	50-150				
N-EtFOSA	0.721	0.197	"	0.787		91.6	50-150				
Surrogate: M3PFBS	2.01		"	2.29		87.6	25-150				
Surrogate: M5PFHxA	2.31		"	2.46		93.9	25-150				
Surrogate: M4PFHpA	2.03		"	2.46		82.4	25-150				
Surrogate: M3PFHxS	1.80		"	2.33		77.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.67		"	2.46		67.9	25-150				
Surrogate: M6PFDA	0.697		"	1.23		56.6	25-150				
Surrogate: M7PFUdA	0.663		"	1.23		53.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.583		"	1.23		47.3	25-150				
Surrogate: M2PFTeDA	0.480		"	1.23		39.0	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BH30145 - EPA 1633 Prep

LCS (BH30145-BS2)	LCS	Prepared: 08/03/2023 Analyzed: 08/08/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0696		ug/kg wet	9.84		0.707	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	1.27		"	2.36		53.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.247		"	4.92		5.01	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.35		"	2.46		55.0	10-150				
Surrogate: d3-N-MeFOSAA	1.84		"	4.92		37.4	25-150				
Surrogate: d5-N-EtFOSAA	2.29		"	4.92		46.4	25-150				
Surrogate: M2-6:2 FTS	2.32		"	4.68		49.5	25-200				
Surrogate: M2-8:2 FTS	1.48		"	4.72		31.3	25-200				
Surrogate: M9PFNA	0.688		"	1.23		55.9	25-150				
Surrogate: M2-4:2 FTS	3.39		"	4.62		73.5	25-150				
Surrogate: d-N-MeFOSA	1.13		"	2.46		46.0	25-150				
Surrogate: d-N-EtFOSA	1.07		"	2.46		43.7	25-150				
Surrogate: M3HFPO-DA	9.81		"	9.84		99.7	25-150				
Surrogate: d9-N-EtFOSE	10.4		"	24.6		42.1	25-150				
Surrogate: d7-N-MeFOSE	12.3		"	24.6		50.0	25-150				

Duplicate (BH30145-DUP1)	Duplicate	*Source sample: 23G1244-09 (SB08_3-5) Prepared: 08/03/2023 Analyzed: 08/08/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	0.197	ug/kg dry		ND						30
Perfluorohexanoic acid (PFHxA)	ND	0.222	"		ND						30
Perfluoroheptanoic acid (PFHpA)	ND	0.222	"		ND						30
Perfluorohexanesulfonic acid (PFHxS)	ND	0.204	"		ND						30
Perfluorooctanoic acid (PFOA)	ND	0.222	"		ND						30
Perfluorooctanesulfonic acid (PFOS)	ND	0.207	"		ND						30
Perfluorononanoic acid (PFNA)	ND	0.222	"		ND						30
Perfluorodecanoic acid (PFDA)	ND	0.222	"		ND						30
Perfluoroundecanoic acid (PFUnA)	ND	0.222	"		ND						30
Perfluorododecanoic acid (PFDoA)	ND	0.222	"		ND						30
Perfluorotridecanoic acid (PFTriDA)	ND	0.222	"		ND						30
Perfluorotetradecanoic acid (PFTA)	ND	0.222	"		ND						30
N-MeFOSAA	ND	0.222	"		ND						30
N-EtFOSAA	ND	0.222	"		ND						30
Perfluoropentanoic acid (PFPeA)	ND	0.445	"		ND						30
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.222	"		ND						30
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.222	"		ND						30
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.215	"		ND						30
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.845	"		ND						30
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.854	"		ND						30
Perfluoro-n-butanoic acid (PFBA)	ND	0.890	"		ND						30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.396	"		ND						30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.445	"		ND						30
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.445	"		ND						30
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.445	"		ND						30
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.209	"		ND						30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	0.834	"		ND						30
HFPO-DA (Gen-X)	ND	0.890	"		ND						30
11CL-PF3OUdS	ND	0.841	"		ND						30
9CL-PF3ONS	ND	0.832	"		ND						30
ADONA	ND	0.841	"		ND						30



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30145 - EPA 1633 Prep

Duplicate (BH30145-DUP1)	Duplicate	*Source sample: 23G1244-09 (SB08_3-5)				Prepared: 08/03/2023 Analyzed: 08/08/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	0.216	ug/kg dry	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.214	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	1.11	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	5.56	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	5.56	"	ND						30	
N-MeFOSE	ND	2.22	"	ND						30	
N-MeFOSA	ND	0.222	"	ND						30	
N-EtFOSE	ND	2.22	"	ND						30	
N-EtFOSA	ND	0.222	"	ND						30	
Surrogate: M3PFBS	2.54		"	2.59		97.9	25-150				
Surrogate: M5PFHxA	2.93		"	2.78		106	25-150				
Surrogate: M4PFHpA	2.61		"	2.78		94.0	25-150				
Surrogate: M3PFHxS	2.74		"	2.64		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.53		"	2.78		90.8	25-150				
Surrogate: M6PFDA	1.14		"	1.39		81.7	25-150				
Surrogate: M7PFUdA	1.25		"	1.39		90.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.18		"	1.39		84.8	25-150				
Surrogate: M2PFTeDA	0.744		"	1.39		53.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.0994		"	11.1		0.894	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.89		"	2.66		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	0.360		"	5.56		6.47	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.77		"	2.78		99.7	10-150				
Surrogate: d3-N-MeFOSAA	5.75		"	5.56		103	25-150				
Surrogate: d5-N-EtFOSAA	7.05		"	5.56		127	25-150				
Surrogate: M2-6:2 FTS	3.96		"	5.29		74.9	25-200				
Surrogate: M2-8:2 FTS	4.03		"	5.34		75.6	25-200				
Surrogate: M9PFNA	1.17		"	1.39		84.0	25-150				
Surrogate: M2-4:2 FTS	3.97		"	5.22		76.0	25-150				
Surrogate: d-N-MeFOSA	1.36		"	2.78		48.9	25-150				
Surrogate: d-N-EtFOSA	0.774		"	2.78		27.8	25-150				
Surrogate: M3HFPO-DA	11.7		"	11.1		106	25-150				
Surrogate: d9-N-EtFOSE	12.2		"	27.8		44.0	25-150				
Surrogate: d7-N-MeFOSE	16.6		"	27.8		59.7	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31394 - EPA 3550C

Blank (BG31394-BLK1)	Blank		Prepared: 07/25/2023 Analyzed: 07/26/2023								
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	0.0752		"	0.0664		113	30-150				
Surrogate: Tetrachloro-m-xylene	0.0641		"	0.0664		96.5	30-150				

LCS (BG31394-BS1)	LCS		Prepared: 07/25/2023 Analyzed: 07/26/2023								
4,4'-DDD	0.0323	0.00164	mg/kg wet	0.0332		97.1	40-140				
4,4'-DDE	0.0302	0.00164	"	0.0332		91.0	40-140				
4,4'-DDT	0.0322	0.00164	"	0.0332		96.8	40-140				
Aldrin	0.0294	0.00164	"	0.0332		88.4	40-140				
alpha-BHC	0.0291	0.00164	"	0.0332		87.7	40-140				
alpha-Chlordane	0.0309	0.00164	"	0.0332		92.9	40-140				
beta-BHC	0.0295	0.00164	"	0.0332		88.7	40-140				
delta-BHC	0.0290	0.00164	"	0.0332		87.1	40-140				
Dieldrin	0.0305	0.00164	"	0.0332		91.8	40-140				
Endosulfan I	0.0311	0.00164	"	0.0332		93.5	40-140				
Endosulfan II	0.0317	0.00164	"	0.0332		95.4	40-140				
Endosulfan sulfate	0.0320	0.00164	"	0.0332		96.4	40-140				
Endrin	0.0314	0.00164	"	0.0332		94.4	40-140				
Endrin aldehyde	0.0306	0.00164	"	0.0332		92.1	40-140				
Endrin ketone	0.0332	0.00164	"	0.0332		99.8	40-140				
gamma-BHC (Lindane)	0.0299	0.00164	"	0.0332		90.1	40-140				
gamma-Chlordane	0.0306	0.00164	"	0.0332		92.0	40-140				
Heptachlor	0.0305	0.00164	"	0.0332		91.8	40-140				
Heptachlor epoxide	0.0309	0.00164	"	0.0332		93.1	40-140				
Methoxychlor	0.0350	0.00164	"	0.0332		105	40-140				
Surrogate: Decachlorobiphenyl	0.0677		"	0.0664		102	30-150				
Surrogate: Tetrachloro-m-xylene	0.0516		"	0.0664		77.7	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31394 - EPA 3550C

Matrix Spike (BG31394-MS1)	Matrix Spike	*Source sample: 23G1210-04 (Matrix Spike)						Prepared: 07/25/2023 Analyzed: 07/27/2023			
4,4'-DDD	0.0304	0.00185	mg/kg dry	0.0374	ND	81.2	30-150				
4,4'-DDE	0.0292	0.00185	"	0.0374	ND	77.9	30-150				
4,4'-DDT	0.0302	0.00185	"	0.0374	ND	80.5	30-150				
Aldrin	0.0281	0.00185	"	0.0374	ND	75.2	30-150				
alpha-BHC	0.0280	0.00185	"	0.0374	ND	74.9	30-150				
alpha-Chlordane	0.0292	0.00185	"	0.0374	ND	78.1	30-150				
beta-BHC	0.0270	0.00185	"	0.0374	ND	72.2	30-150				
delta-BHC	0.0271	0.00185	"	0.0374	ND	72.3	30-150				
Dieldrin	0.0296	0.00185	"	0.0374	ND	79.0	30-150				
Endosulfan I	0.0301	0.00185	"	0.0374	ND	80.3	30-150				
Endosulfan II	0.0312	0.00185	"	0.0374	ND	83.4	30-150				
Endosulfan sulfate	0.0299	0.00185	"	0.0374	ND	80.0	30-150				
Endrin	0.0296	0.00185	"	0.0374	ND	79.1	30-150				
Endrin aldehyde	0.0314	0.00185	"	0.0374	ND	83.9	30-150				
Endrin ketone	0.0322	0.00185	"	0.0374	ND	86.1	30-150				
gamma-BHC (Lindane)	0.0280	0.00185	"	0.0374	ND	74.8	30-150				
gamma-Chlordane	0.0287	0.00185	"	0.0374	ND	76.7	30-150				
Heptachlor	0.0285	0.00185	"	0.0374	ND	76.1	30-150				
Heptachlor epoxide	0.0297	0.00185	"	0.0374	ND	79.4	30-150				
Methoxychlor	0.0365	0.00185	"	0.0374	ND	97.5	30-150				
Surrogate: Decachlorobiphenyl	0.0621		"	0.0749		82.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0427		"	0.0749		57.1	30-150				

Matrix Spike Dup (BG31394-1)	Matrix Spike Dup	*Source sample: 23G1210-04 (Matrix Spike Dup)						Prepared: 07/25/2023 Analyzed: 07/27/2023			
4,4'-DDD	0.0386	0.00181	mg/kg dry	0.0365	ND	106	30-150	23.7	30		
4,4'-DDE	0.0374	0.00181	"	0.0365	ND	103	30-150	24.9	30		
4,4'-DDT	0.0393	0.00181	"	0.0365	ND	108	30-150	26.3	30		
Aldrin	0.0361	0.00181	"	0.0365	ND	99.1	30-150	24.9	30		
alpha-BHC	0.0362	0.00181	"	0.0365	ND	99.3	30-150	25.4	30		
alpha-Chlordane	0.0374	0.00181	"	0.0365	ND	103	30-150	24.5	30		
beta-BHC	0.0337	0.00181	"	0.0365	ND	92.5	30-150	22.0	30		
delta-BHC	0.0349	0.00181	"	0.0365	ND	95.8	30-150	25.5	30		
Dieldrin	0.0383	0.00181	"	0.0365	ND	105	30-150	25.6	30		
Endosulfan I	0.0376	0.00181	"	0.0365	ND	103	30-150	22.4	30		
Endosulfan II	0.0393	0.00181	"	0.0365	ND	108	30-150	23.0	30		
Endosulfan sulfate	0.0408	0.00181	"	0.0365	ND	112	30-150	30.8	30	Non-dir.	
Endrin	0.0378	0.00181	"	0.0365	ND	104	30-150	24.4	30		
Endrin aldehyde	0.0382	0.00181	"	0.0365	ND	105	30-150	19.6	30		
Endrin ketone	0.0421	0.00181	"	0.0365	ND	116	30-150	26.6	30		
gamma-BHC (Lindane)	0.0361	0.00181	"	0.0365	ND	98.9	30-150	25.2	30		
gamma-Chlordane	0.0368	0.00181	"	0.0365	ND	101	30-150	24.7	30		
Heptachlor	0.0365	0.00181	"	0.0365	ND	100	30-150	24.7	30		
Heptachlor epoxide	0.0378	0.00181	"	0.0365	ND	104	30-150	23.9	30		
Methoxychlor	0.0492	0.00181	"	0.0365	ND	135	30-150	29.6	30		
Surrogate: Decachlorobiphenyl	0.0753		"	0.0729		103	30-150				
Surrogate: Tetrachloro-m-xylene	0.0545		"	0.0729		74.7	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30115 - EPA 3550C

Blank (BH30115-BLK1)	Blank										Prepared: 08/02/2023 Analyzed: 08/03/2023
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	0.0624		"	0.0664		93.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0432		"	0.0664		65.1	30-150				

LCS (BH30115-BS1)	LCS										Prepared: 08/02/2023 Analyzed: 08/03/2023
4,4'-DDD	0.0323	0.00164	mg/kg wet	0.0332		97.3	40-140				
4,4'-DDE	0.0319	0.00164	"	0.0332		95.9	40-140				
4,4'-DDT	0.0340	0.00164	"	0.0332		102	40-140				
Aldrin	0.0304	0.00164	"	0.0332		91.4	40-140				
alpha-BHC	0.0308	0.00164	"	0.0332		92.8	40-140				
alpha-Chlordane	0.0320	0.00164	"	0.0332		96.5	40-140				
beta-BHC	0.0314	0.00164	"	0.0332		94.4	40-140				
delta-BHC	0.0303	0.00164	"	0.0332		91.3	40-140				
Dieldrin	0.0316	0.00164	"	0.0332		95.2	40-140				
Endosulfan I	0.0323	0.00164	"	0.0332		97.3	40-140				
Endosulfan II	0.0324	0.00164	"	0.0332		97.5	40-140				
Endosulfan sulfate	0.0321	0.00164	"	0.0332		96.7	40-140				
Endrin	0.0316	0.00164	"	0.0332		95.3	40-140				
Endrin aldehyde	0.0313	0.00164	"	0.0332		94.3	40-140				
Endrin ketone	0.0331	0.00164	"	0.0332		99.7	40-140				
gamma-BHC (Lindane)	0.0315	0.00164	"	0.0332		94.7	40-140				
gamma-Chlordane	0.0316	0.00164	"	0.0332		95.0	40-140				
Heptachlor	0.0316	0.00164	"	0.0332		95.2	40-140				
Heptachlor epoxide	0.0321	0.00164	"	0.0332		96.7	40-140				
Methoxychlor	0.0373	0.00164	"	0.0332		112	40-140				
Surrogate: Decachlorobiphenyl	0.0671		"	0.0664		101	30-150				
Surrogate: Tetrachloro-m-xylene	0.0470		"	0.0664		70.8	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30115 - EPA 3550C

Matrix Spike (BH30115-MS1)	Matrix Spike	*Source sample: 23G1621-01 (Matrix Spike)						Prepared: 08/02/2023 Analyzed: 08/04/2023			
4,4'-DDD	0.0270	0.00181	mg/kg dry	0.0366	ND	73.7	30-150				
4,4'-DDE	0.0244	0.00181	"	0.0366	ND	66.6	30-150				
4,4'-DDT	0.0275	0.00181	"	0.0366	0.00299	66.9	30-150				
Aldrin	0.0249	0.00181	"	0.0366	ND	68.1	30-150				
alpha-BHC	0.0261	0.00181	"	0.0366	ND	71.2	30-150				
alpha-Chlordane	0.0260	0.00181	"	0.0366	ND	71.0	30-150				
beta-BHC	0.0241	0.00181	"	0.0366	ND	65.7	30-150				
delta-BHC	0.0233	0.00181	"	0.0366	ND	63.7	30-150				
Dieldrin	0.0256	0.00181	"	0.0366	ND	69.9	30-150				
Endosulfan I	0.0261	0.00181	"	0.0366	ND	71.3	30-150				
Endosulfan II	0.0260	0.00181	"	0.0366	ND	71.0	30-150				
Endosulfan sulfate	0.0260	0.00181	"	0.0366	ND	71.0	30-150				
Endrin	0.0260	0.00181	"	0.0366	ND	71.1	30-150				
Endrin aldehyde	0.0255	0.00181	"	0.0366	ND	69.5	30-150				
Endrin ketone	0.0290	0.00181	"	0.0366	ND	79.2	30-150				
gamma-BHC (Lindane)	0.0257	0.00181	"	0.0366	ND	70.0	30-150				
gamma-Chlordane	0.0250	0.00181	"	0.0366	ND	68.2	30-150				
Heptachlor	0.0256	0.00181	"	0.0366	ND	69.8	30-150				
Heptachlor epoxide	0.0262	0.00181	"	0.0366	ND	71.5	30-150				
Methoxychlor	0.0302	0.00181	"	0.0366	ND	82.3	30-150				
Surrogate: Decachlorobiphenyl	0.0612		"	0.0733		83.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0377		"	0.0733		51.5	30-150				

Matrix Spike Dup (BH30115-1)	Matrix Spike Dup	*Source sample: 23G1621-01 (Matrix Spike Dup)						Prepared: 08/02/2023 Analyzed: 08/04/2023			
4,4'-DDD	0.0228	0.00186	mg/kg dry	0.0376	ND	60.6	30-150	16.8	30		
4,4'-DDE	0.0196	0.00186	"	0.0376	ND	52.1	30-150	21.8	30		
4,4'-DDT	0.0229	0.00186	"	0.0376	0.00299	53.0	30-150	18.1	30		
Aldrin	0.0206	0.00186	"	0.0376	ND	54.8	30-150	18.9	30		
alpha-BHC	0.0220	0.00186	"	0.0376	ND	58.4	30-150	17.2	30		
alpha-Chlordane	0.0229	0.00186	"	0.0376	ND	60.8	30-150	12.9	30		
beta-BHC	0.0201	0.00186	"	0.0376	ND	53.4	30-150	18.1	30		
delta-BHC	0.0190	0.00186	"	0.0376	ND	50.6	30-150	20.4	30		
Dieldrin	0.0212	0.00186	"	0.0376	ND	56.4	30-150	18.7	30		
Endosulfan I	0.0215	0.00186	"	0.0376	ND	57.2	30-150	19.4	30		
Endosulfan II	0.0217	0.00186	"	0.0376	ND	57.7	30-150	18.1	30		
Endosulfan sulfate	0.0226	0.00186	"	0.0376	ND	60.0	30-150	14.1	30		
Endrin	0.0223	0.00186	"	0.0376	ND	59.4	30-150	15.4	30		
Endrin aldehyde	0.0212	0.00186	"	0.0376	ND	56.4	30-150	18.1	30		
Endrin ketone	0.0253	0.00186	"	0.0376	ND	67.3	30-150	13.6	30		
gamma-BHC (Lindane)	0.0211	0.00186	"	0.0376	ND	56.2	30-150	19.3	30		
gamma-Chlordane	0.0211	0.00186	"	0.0376	ND	56.0	30-150	17.1	30		
Heptachlor	0.0211	0.00186	"	0.0376	ND	56.2	30-150	19.0	30		
Heptachlor epoxide	0.0218	0.00186	"	0.0376	ND	58.0	30-150	18.3	30		
Methoxychlor	0.0285	0.00186	"	0.0376	ND	75.8	30-150	5.65	30		
Surrogate: Decachlorobiphenyl	0.0534		"	0.0752		71.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0322		"	0.0752		42.7	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31394 - EPA 3550C											
Blank (BG31394-BLK2)	Blank							Prepared: 07/25/2023 Analyzed: 07/27/2023			
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	0.0608		"	0.0664		91.5	30-120				
Surrogate: Decachlorobiphenyl	0.0575		"	0.0664		86.5	30-120				
LCS (BG31394-BS2)	LCS							Prepared: 07/25/2023 Analyzed: 07/27/2023			
Aroclor 1016	0.287	0.0166	mg/kg wet	0.332		86.3	40-130				
Aroclor 1260	0.266	0.0166	"	0.332		80.0	40-130				
Surrogate: Tetrachloro-m-xylene	0.0475		"	0.0664		71.5	30-120				
Surrogate: Decachlorobiphenyl	0.0439		"	0.0664		66.0	30-120				
Matrix Spike (BG31394-MS2)	Matrix Spike	*Source sample: 23G1210-04 (Matrix Spike)						Prepared: 07/25/2023 Analyzed: 07/28/2023			
Aroclor 1016	0.299	0.0187	mg/kg dry	0.374	ND	80.0	40-140				
Aroclor 1260	0.290	0.0187	"	0.374	ND	77.4	40-140				
Surrogate: Tetrachloro-m-xylene	0.0603		"	0.0749		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.0625		"	0.0749		83.5	30-120				
Matrix Spike Dup (BG31394-MS2)	Matrix Spike Dup	*Source sample: 23G1210-04 (Matrix Spike Dup)						Prepared: 07/25/2023 Analyzed: 07/28/2023			
Aroclor 1016	0.309	0.0182	mg/kg dry	0.365	ND	84.7	40-140		3.11	50	
Aroclor 1260	0.288	0.0182	"	0.365	ND	78.9	40-140		0.627	50	
Surrogate: Tetrachloro-m-xylene	0.0620		"	0.0729		85.0	30-120				
Surrogate: Decachlorobiphenyl	0.0569		"	0.0729		78.0	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30115 - EPA 3550C											
Blank (BH30115-BLK2)	Blank							Prepared: 08/02/2023 Analyzed: 08/03/2023			
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	0.0488		"	0.0664		73.5	30-120				
Surrogate: Decachlorobiphenyl	0.0346		"	0.0664		52.0	30-120				
LCS (BH30115-BS2)	LCS							Prepared: 08/02/2023 Analyzed: 08/03/2023			
Aroclor 1016	0.177	0.0166	mg/kg wet	0.332		53.2	40-130				
Aroclor 1260	0.181	0.0166	"	0.332		54.4	40-130				
Surrogate: Tetrachloro-m-xylene	0.0359		"	0.0664		54.0	30-120				
Surrogate: Decachlorobiphenyl	0.0375		"	0.0664		56.5	30-120				
Matrix Spike (BH30115-MS2)	Matrix Spike	*Source sample: 23G1621-01 (Matrix Spike)						Prepared: 08/02/2023 Analyzed: 08/03/2023			
Aroclor 1016	0.159	0.0188	mg/kg dry	0.376	ND	42.1	40-140				
Aroclor 1260	0.207	0.0188	"	0.376	ND	54.9	40-140				
Surrogate: Tetrachloro-m-xylene	0.0470		"	0.0752		62.5	30-120				
Surrogate: Decachlorobiphenyl	0.0342		"	0.0752		45.5	30-120				
Matrix Spike Dup (BH30115-MS2)	Matrix Spike Dup	*Source sample: 23G1621-01 (Matrix Spike Dup)						Prepared: 08/02/2023 Analyzed: 08/03/2023			
Aroclor 1016	0.124	0.0188	mg/kg dry	0.376	ND	33.1	40-140	Low Bias	24.1	50	
Aroclor 1260	0.167	0.0188	"	0.376	ND	44.4	40-140		21.3	50	
Surrogate: Tetrachloro-m-xylene	0.0421		"	0.0752		56.0	30-120				
Surrogate: Decachlorobiphenyl	0.0305		"	0.0752		40.5	30-120				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31530 - EPA 3550C/8151A

Blank (BG31530-BLK1)	Blank		Prepared: 07/27/2023 Analyzed: 07/28/2023								
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.230 " 0.417 55.2 21-150

LCS (BG31530-BS1)	LCS		Prepared: 07/27/2023 Analyzed: 07/28/2023								
2,4,5-T	0.0758	0.0200	mg/kg wet	0.133		56.9	10-120				
2,4,5-TP (Silvex)	0.0767	0.0200	"	0.133		57.5	10-120				
2,4-D	0.0825	0.0200	"	0.133		61.9	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.242 " 0.417 58.0 21-150

Matrix Spike (BG31530-MS1)	Matrix Spike	*Source sample: 23G1112-01 (Matrix Spike)		Prepared: 07/27/2023 Analyzed: 07/28/2023							
2,4,5-T	0.0828	0.0221	mg/kg dry	0.147	ND	56.2	10-120				
2,4,5-TP (Silvex)	0.0810	0.0221	"	0.147	ND	55.0	10-120				
2,4-D	0.0948	0.0221	"	0.147	ND	64.4	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.238 " 0.460 51.8 21-150

Matrix Spike Dup (BG31530-MS1)	Matrix Spike Dup	*Source sample: 23G1112-01 (Matrix Spike Dup)		Prepared: 07/27/2023 Analyzed: 07/29/2023							
2,4,5-T	0.137	0.0221	mg/kg dry	0.147	ND	93.1	10-120	49.4	35	Non-dir.	
2,4,5-TP (Silvex)	0.133	0.0221	"	0.147	ND	90.0	10-120	48.3	35	Non-dir.	
2,4-D	0.147	0.0221	"	0.147	ND	100	10-118	43.3	35	Non-dir.	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.319 " 0.460 69.4 21-150

Batch BH30124 - EPA 3550C/8151A

Blank (BH30124-BLK1)	Blank		Prepared: 08/02/2023 Analyzed: 08/04/2023								
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) 0.330 " 0.415 79.4 21-150



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30124 - EPA 3550C/8151A

LCS (BH30124-BS1)		LCS		Prepared: 08/02/2023 Analyzed: 08/04/2023							
2,4,5-T	0.111	0.0199	mg/kg wet	0.133		83.7	10-120				
2,4,5-TP (Silvex)	0.112	0.0199	"	0.133		84.4	10-120				
2,4-D	0.115	0.0199	"	0.133		86.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.352	"	0.415		84.8	21-150				

Matrix Spike (BH30124-MS1)		Matrix Spike		*Source sample: 23G1202-07 (Matrix Spike)		Prepared: 08/02/2023 Analyzed: 08/05/2023					
2,4,5-T	0.0416	0.0213	mg/kg dry	0.142	ND	29.4	10-120				
2,4,5-TP (Silvex)	0.0460	0.0213	"	0.142	ND	32.5	10-120				
2,4-D	0.0381	0.0213	"	0.142	ND	26.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.157	"	0.443		35.4	21-150				

Matrix Spike Dup (BH30124-MS1)		Matrix Spike Dup		*Source sample: 23G1202-07 (Matrix Spike Dup)		Prepared: 08/02/2023 Analyzed: 08/05/2023					
2,4,5-T	0.0644	0.0215	mg/kg dry	0.143	ND	45.0	10-120	43.0	35	Non-dir.	
2,4,5-TP (Silvex)	0.0698	0.0215	"	0.143	ND	48.8	10-120	41.0	35	Non-dir.	
2,4-D	0.0653	0.0215	"	0.143	ND	45.6	10-118	52.6	35	Non-dir.	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.187	"	0.447		41.8	21-150				

Batch BH30421 - EPA 3550C/8151A

Blank (BH30421-BLK1)		Blank		Prepared: 08/07/2023 Analyzed: 08/08/2023							
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)		0.440	"	0.414		106	21-150				

LCS (BH30421-BS1)		LCS		Prepared: 08/07/2023 Analyzed: 08/08/2023							
2,4,5-T	0.126	0.0199	mg/kg wet	0.132		95.0	10-120				
2,4,5-TP (Silvex)	0.122	0.0199	"	0.132		91.9	10-120				
2,4-D	0.144	0.0199	"	0.132		109	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)		0.373	"	0.414		90.2	21-150				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30421 - EPA 3550C/8151A

Matrix Spike (BH30421-MS1)	Matrix Spike	*Source sample: 23H0260-07 (Matrix Spike)						Prepared: 08/07/2023 Analyzed: 08/09/2023			
2,4,5-T	0.0996	0.0213	mg/kg dry	0.142	ND	70.0	10-120				
2,4,5-TP (Silvex)	0.111	0.0213	"	0.142	ND	78.1	10-120				
2,4-D	0.112	0.0213	"	0.142	ND	78.8	10-118				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.401</i>		<i>"</i>	<i>0.444</i>		<i>90.2</i>	<i>21-150</i>				

Matrix Spike Dup (BH30421-1)	Matrix Spike Dup	*Source sample: 23H0260-07 (Matrix Spike Dup)						Prepared: 08/07/2023 Analyzed: 08/09/2023			
2,4,5-T	0.0969	0.0213	mg/kg dry	0.142	ND	68.1	10-120		2.71	35	
2,4,5-TP (Silvex)	0.106	0.0213	"	0.142	ND	74.4	10-120		4.92	35	
2,4-D	0.108	0.0213	"	0.142	ND	75.6	10-118		4.05	35	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>0.377</i>		<i>"</i>	<i>0.444</i>		<i>84.8</i>	<i>21-150</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31576 - EPA 3050B

Blank (BG31576-BLK1)	Blank	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	15.4	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								

Duplicate (BG31576-DUP1)	Duplicate	*Source sample: 23G1297-06 (Duplicate) Prepared: 07/27/2023 Analyzed: 07/28/2023									
Aluminum	10900	4.60	mg/kg dry		10900				0.134	35	
Antimony	ND	2.30	"		ND					35	
Arsenic	11.0	1.38	"		9.11				18.8	35	
Barium	64.2	2.30	"		64.9				1.17	35	
Beryllium	0.072	0.046	"		0.073				2.55	35	
Cadmium	ND	0.276	"		ND					35	
Calcium	41600	4.60	"		43100				3.50	35	
Chromium	23.2	0.461	"		22.9				1.40	35	
Cobalt	6.62	0.368	"		7.37				10.8	35	
Copper	22.4	1.84	"		22.6				1.01	35	
Iron	16000	23.0	"		17400				8.68	35	
Lead	43.4	0.461	"		45.3				4.38	35	
Magnesium	7040	4.61	"		6820				3.12	35	
Manganese	318	0.461	"		299				6.17	35	
Nickel	17.6	0.917	"		18.8				6.55	35	
Potassium	1300	4.61	"		1320				1.53	35	
Selenium	ND	2.30	"		ND					35	
Silver	ND	0.464	"		ND					35	
Sodium	591	46.0	"		630				6.38	35	
Thallium	8.17	2.30	"		6.98				15.6	35	
Vanadium	31.8	0.917	"		32.4				1.89	35	
Zinc	44.8	2.29	"		65.5				37.4	35	Non-dir.



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31576 - EPA 3050B

Matrix Spike (BG31576-MS1)	Matrix Spike	*Source sample: 23G1297-06 (Matrix Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
Aluminum	11100	4.60	mg/kg dry	184	10900	102	75-125				
Antimony	7.79	2.30	"	23.0	ND	33.8	75-125	Low Bias			
Arsenic	230	1.38	"	184	9.11	120	75-125				
Barium	292	2.30	"	184	64.9	123	75-125				
Beryllium	5.47	0.046	"	4.60	0.073	117	75-125				
Cadmium	5.28	0.276	"	4.60	ND	115	75-125				
Calcium	43000	4.60	"	92.1	43100	NR	75-125	Low Bias			
Chromium	44.8	0.461	"	18.4	22.9	119	75-125				
Cobalt	61.6	0.368	"	46.0	7.37	118	75-125				
Copper	51.6	1.84	"	23.0	22.6	126	75-125	High Bias			
Iron	16300	23.0	"	92.1	17400	NR	75-125	Low Bias			
Lead	146	0.461	"	46.0	45.3	220	75-125	High Bias			
Magnesium	6210	4.61	"	92.1	6820	NR	75-125	Low Bias			
Manganese	349	0.461	"	46.0	299	108	75-125				
Nickel	71.6	0.917	"	46.0	18.8	115	75-125				
Potassium	1470	4.61	"	92.1	1320	160	75-125	High Bias			
Selenium	162	2.30	"	184	ND	87.9	75-125				
Silver	ND	0.464	"	4.60	ND		75-125	Low Bias			
Sodium	685	46.0	"	92.1	630	59.8	75-125	Low Bias			
Thallium	225	2.30	"	184	6.98	119	75-125				
Vanadium	84.1	0.917	"	46.0	32.4	112	75-125				
Zinc	99.6	2.29	"	46.0	65.5	74.2	75-125	Low Bias			

Post Spike (BG31576-PS1)	Post Spike	*Source sample: 23G1297-06 (Post Spike)						Prepared: 07/27/2023 Analyzed: 07/28/2023			
Aluminum	117		ug/mL	2.00	118	NR	75-125	Low Bias			
Antimony	0.261		"	0.250	0.010	100	75-125				
Arsenic	2.31		"	2.00	0.099	110	75-125				
Barium	2.92		"	2.00	0.705	111	75-125				
Beryllium	0.054		"	0.0500	0.0008	106	75-125				
Cadmium	0.052		"	0.0500	-0.0007	105	75-125				
Calcium	457		"	1.00	468	NR	75-125	Low Bias			
Chromium	0.459		"	0.200	0.248	105	75-125				
Cobalt	0.620		"	0.500	0.080	108	75-125				
Copper	0.535		"	0.250	0.245	116	75-125				
Iron	189		"	1.00	189	NR	75-125	Low Bias			
Lead	1.00		"	0.500	0.492	102	75-125				
Magnesium	74.3		"	1.00	74.1	25.9	75-125	Low Bias			
Manganese	3.75		"	0.500	3.25	100	75-125				
Nickel	0.743		"	0.500	0.205	108	75-125				
Potassium	15.4		"	1.00	14.3	111	75-125				
Selenium	1.56		"	2.00	-0.202	78.0	75-125				
Silver	0.0007		"	0.0500	-0.063	1.35	75-125	Low Bias			
Sodium	7.98		"	1.00	6.84	114	75-125				
Thallium	2.25		"	2.00	0.076	109	75-125				
Vanadium	0.902		"	0.500	0.352	110	75-125				
Zinc	1.21		"	0.500	0.711	101	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

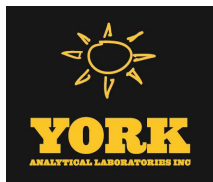
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31576 - EPA 3050B

Reference (BG31576-SRM1)	Reference	Prepared: 07/27/2023 Analyzed: 07/28/2023									
Aluminum	9680	4.17	mg/kg wet	8040		120	49.9-150.5				
Antimony	61.8	2.08	"	129		47.9	18-250.4				
Arsenic	208	1.25	"	183		114	69.9-130.1				
Barium	351	2.08	"	297		118	75.1-125.3				
Beryllium	86.2	0.042	"	78.8		109	75-124.9				
Cadmium	245	0.250	"	221		111	75.1-124.9				
Calcium	5560	4.17	"	4710		118	72.4-127.4				
Chromium	236	0.417	"	200		118	70-130				
Cobalt	114	0.333	"	97.4		117	74.9-125.3				
Copper	175	1.67	"	136		129	75-125	High Bias			
Iron	16300	20.8	"	14000		117	34.9-165.7				
Lead	288	0.417	"	257		112	73.9-126.1				
Magnesium	2680	4.17	"	2290		117	62-138.4				
Manganese	437	0.417	"	381		115	75.9-124.1				
Nickel	205	0.830	"	169		121	69.8-129.6				
Potassium	2460	4.17	"	2030		121	59.1-140.9				
Selenium	171	2.08	"	217		79.0	69.1-131.3				
Silver	75.9	0.420	"	67.8		112	70.6-129.2				
Sodium	481	41.7	"	427		113	58.3-141.9				
Thallium	95.5	2.08	"	80.5		119	65.1-135.4				
Vanadium	226	0.830	"	205		110	74.6-125.4				
Zinc	247	2.08	"	224		110	70.1-130.4				

Batch BH30315 - EPA 3050B

Blank (BH30315-BLK1)	Blank	Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	ND	4.17	"								
Chromium	ND	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Duplicate (BH30315-DUP1)	Duplicate	*Source sample: 23H0025-06 (Duplicate)				Prepared: 08/04/2023 Analyzed: 08/09/2023					
Aluminum	717	4.52	mg/kg dry	7230					164	35	Non-dir.
Antimony	ND	2.26	"	5.86						35	
Arsenic	ND	1.36	"	8.41						35	
Barium	4.63	2.26	"	39.7					158	35	Non-dir.
Beryllium	ND	0.046	"	0.090						35	
Cadmium	ND	0.271	"	ND						35	
Calcium	240	4.52	"	4130					178	35	Non-dir.
Chromium	2.34	0.452	"	13.1					139	35	Non-dir.
Cobalt	0.612	0.361	"	5.85					162	35	Non-dir.
Copper	ND	1.81	"	17.4						35	
Iron	1380	22.6	"	12000					159	35	Non-dir.
Lead	1.68	0.452	"	37.4					183	35	Non-dir.
Magnesium	207	4.52	"	3740					179	35	Non-dir.
Manganese	15.6	0.452	"	194					170	35	Non-dir.
Nickel	ND	0.900	"	14.0						35	
Potassium	127	4.52	"	907					151	35	Non-dir.
Selenium	ND	2.26	"	ND						35	
Silver	ND	0.455	"	ND						35	
Sodium	ND	45.2	"	409						35	
Thallium	ND	2.26	"	6.00						35	
Vanadium	2.56	0.900	"	20.3					155	35	Non-dir.
Zinc	3.78	2.25	"	47.9					171	35	Non-dir.

Matrix Spike (BH30315-MS1)	Matrix Spike	*Source sample: 23H0025-06 (Matrix Spike)				Prepared: 08/04/2023 Analyzed: 08/09/2023					
Aluminum	913	4.52	mg/kg dry	181	7230	NR	75-125	Low Bias			
Antimony	16.2	2.26	"	22.6	5.86	45.5	75-125	Low Bias			
Arsenic	192	1.36	"	181	8.41	102	75-125				
Barium	207	2.26	"	181	39.7	92.5	75-125				
Beryllium	4.88	0.046	"	4.52	0.090	106	75-125				
Cadmium	4.74	0.271	"	4.52	ND	105	75-125				
Calcium	312	4.52	"	90.4	4130	NR	75-125	Low Bias			
Chromium	22.8	0.452	"	18.1	13.1	53.5	75-125	Low Bias			
Cobalt	50.9	0.361	"	45.2	5.85	99.6	75-125				
Copper	27.9	1.81	"	22.6	17.4	46.7	75-125	Low Bias			
Iron	1610	22.6	"	90.4	12000	NR	75-125	Low Bias			
Lead	50.5	0.452	"	45.2	37.4	29.0	75-125	Low Bias			
Magnesium	312	4.52	"	90.4	3740	NR	75-125	Low Bias			
Manganese	66.4	0.452	"	45.2	194	NR	75-125	Low Bias			
Nickel	50.6	0.900	"	45.2	14.0	81.2	75-125				
Potassium	216	4.52	"	90.4	907	NR	75-125	Low Bias			
Selenium	134	2.26	"	181	ND	74.0	75-125	Low Bias			
Silver	4.01	0.455	"	4.52	ND	88.7	75-125				
Sodium	104	45.2	"	90.4	409	NR	75-125	Low Bias			
Thallium	188	2.26	"	181	6.00	101	75-125				
Vanadium	51.6	0.900	"	45.2	20.3	69.3	75-125	Low Bias			
Zinc	51.5	2.25	"	45.2	47.9	7.81	75-125	Low Bias			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30315 - EPA 3050B

Post Spike (BH30315-PS1)	Post Spike	*Source sample: 23H0025-06 (Post Spike)						Prepared: 08/04/2023 Analyzed: 08/09/2023			
Aluminum	744	4.52	mg/kg dry	181	7230	NR	75-125	Low Bias			
Antimony	22.2	2.26	"	22.6	5.86	72.5	75-125	Low Bias			
Arsenic	186	1.36	"	181	8.41	98.5	75-125				
Barium	192	2.26	"	181	39.7	84.4	75-125				
Beryllium	4.53	0.046	"	4.52	0.090	98.2	75-125				
Cadmium	4.55	0.271	"	4.52	ND	101	75-125				
Calcium	279	4.52	"	90.4	4130	NR	75-125	Low Bias			
Chromium	19.9	0.452	"	18.1	13.1	37.6	75-125	Low Bias			
Cobalt	47.4	0.361	"	45.2	5.85	91.9	75-125				
Copper	27.1	1.81	"	22.6	17.4	43.2	75-125	Low Bias			
Iron	1350	22.6	"	90.4	12000	NR	75-125	Low Bias			
Lead	48.0	0.452	"	45.2	37.4	23.6	75-125	Low Bias			
Magnesium	264	4.52	"	90.4	3740	NR	75-125	Low Bias			
Manganese	72.8	0.452	"	45.2	194	NR	75-125	Low Bias			
Nickel	48.1	0.900	"	45.2	14.0	75.7	75-125				
Potassium	183	4.52	"	90.4	907	NR	75-125	Low Bias			
Selenium	130	2.26	"	181	ND	72.0	75-125	Low Bias			
Silver	4.10	0.455	"	4.52	ND	90.7	75-125				
Sodium	101	45.2	"	90.4	409	NR	75-125	Low Bias			
Thallium	182	2.26	"	181	6.00	97.6	75-125				
Vanadium	47.7	0.900	"	45.2	20.3	60.8	75-125	Low Bias			
Zinc	51.1	2.25	"	45.2	47.9	6.99	75-125	Low Bias			

Reference (BH30315-SRM1)	Reference	Prepared: 08/04/2023 Analyzed: 08/09/2023									
Aluminum	8660	4.17	mg/kg wet	8040		108	49.9-150.5				
Antimony	55.9	2.08	"	129		43.3	18-250.4				
Arsenic	191	1.25	"	183		104	69.9-130.1				
Barium	314	2.08	"	297		106	75.1-125.3				
Beryllium	74.7	0.042	"	78.8		94.8	75-124.9				
Cadmium	215	0.250	"	221		97.2	75.1-124.9				
Calcium	4720	4.17	"	4710		100	72.4-127.4				
Chromium	203	0.417	"	200		101	70-130				
Cobalt	99.8	0.333	"	97.4		102	74.9-125.3				
Copper	150	1.67	"	136		110	75-125				
Iron	13500	20.8	"	14000		96.6	34.9-165.7				
Lead	252	0.417	"	257		98.0	73.9-126.1				
Magnesium	2330	4.17	"	2290		102	62-138.4				
Manganese	385	0.417	"	381		101	75.9-124.1				
Nickel	183	0.830	"	169		108	69.8-129.6				
Potassium	2180	4.17	"	2030		107	59.1-140.9				
Selenium	130	2.08	"	217		60.1	69.1-131.3	Low Bias			
Silver	63.5	0.420	"	67.8		93.7	70.6-129.2				
Sodium	425	41.7	"	427		99.4	58.3-141.9				
Thallium	82.5	2.08	"	80.5		102	65.1-135.4				
Vanadium	201	0.830	"	205		98.1	74.6-125.4				
Zinc	221	2.08	"	224		98.6	70.1-130.4				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31581 - EPA 7473 soil											
Blank (BG31581-BLK1)	Blank								Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BG31581-DUP1)	Duplicate	*Source sample: 23G1157-01 (Duplicate)							Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	ND	0.0322	mg/kg dry		ND					35	
Matrix Spike (BG31581-MS1)	Matrix Spike	*Source sample: 23G1157-01 (Matrix Spike)							Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	0.438		mg/kg	0.500	0.00570	86.6	75-125				
Reference (BG31581-SRM1)	Reference								Prepared: 07/27/2023	Analyzed: 07/28/2023	
Mercury	23.663		mg/kg	27.2		87.0	59.9-140.1				
Batch BH30541 - EPA 7473 soil											
Blank (BH30541-BLK1)	Blank								Prepared: 08/08/2023	Analyzed: 08/09/2023	
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BH30541-DUP1)	Duplicate	*Source sample: 23G1202-03 (Duplicate)							Prepared: 08/08/2023	Analyzed: 08/09/2023	
Mercury	0.0670	0.0354	mg/kg dry		0.0697				3.98	35	
Matrix Spike (BH30541-MS1)	Matrix Spike	*Source sample: 23G1202-03 (Matrix Spike)							Prepared: 08/08/2023	Analyzed: 08/09/2023	
Mercury	0.494		mg/kg	0.500	0.0590	86.9	75-125				
Reference (BH30541-SRM1)	Reference								Prepared: 08/08/2023	Analyzed: 08/09/2023	
Mercury	25.429		mg/kg	27.2		93.5	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31506 - Analysis Preparation Soil

Blank (BG31506-BLK1)	Blank								Prepared: 07/26/2023	Analyzed: 07/27/2023	
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BG31506-DUP1)	Duplicate	*Source sample: 23G1112-01 (Duplicate)							Prepared: 07/26/2023	Analyzed: 07/27/2023	
Cyanide, total	ND	0.552	mg/kg dry		ND					15	
Matrix Spike (BG31506-MS1)	Matrix Spike	*Source sample: 23G1112-01 (Matrix Spike)							Prepared: 07/26/2023	Analyzed: 07/27/2023	
Cyanide, total	10.4	0.552	mg/kg dry	11.0	ND	94.0	79.6-107				
Matrix Spike Dup (BG31506-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1112-01 (Matrix Spike Dup)							Prepared: 07/26/2023	Analyzed: 07/27/2023	
Cyanide, total	9.28	0.552	mg/kg dry	11.0	ND	84.0	79.6-107		11.2	200	
Reference (BG31506-SRM1)	Reference								Prepared: 07/26/2023	Analyzed: 07/27/2023	
Cyanide, total	167		ug/mL	131		127	44.4-156.5				

Batch BG31514 - EPA SW846-3060

Blank (BG31514-BLK1)	Blank								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BG31514-DUP1)	Duplicate	*Source sample: 23G1204-01 (Duplicate)							Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	ND	0.522	mg/kg dry		ND					35	
Matrix Spike (BG31514-MS1)	Matrix Spike	*Source sample: 23G1204-01 (Matrix Spike)							Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	20.7	0.522	mg/kg dry	20.9	ND	99.4	75-125				
Matrix Spike Dup (BG31514-MS1-DUP)	Matrix Spike Dup	*Source sample: 23G1204-01 (Matrix Spike Dup)							Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	19.8	0.522	mg/kg dry	20.9	ND	95.0	75-125		4.53	200	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31514 - EPA SW846-3060

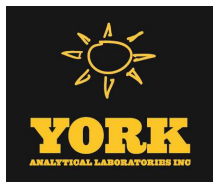
Reference (BG31514-SRM1)	Reference								Prepared & Analyzed: 07/26/2023		
Chromium, Hexavalent	283		mg/L	227		125	42.3-157.7				

Batch BG31589 - Analysis Preparation Soil

Blank (BG31589-BLK1)	Blank								Prepared & Analyzed: 07/27/2023		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BG31589-DUP1)	Duplicate	*Source sample: 23G1261-04 (Duplicate)							Prepared & Analyzed: 07/27/2023		
Cyanide, total	ND	0.543	mg/kg dry		ND					15	
Matrix Spike (BG31589-MS1)	Matrix Spike	*Source sample: 23G1261-04 (Matrix Spike)							Prepared & Analyzed: 07/27/2023		
Cyanide, total	10.6	0.543	mg/kg dry	10.9	ND	97.5	79.6-107				
Matrix Spike Dup (BG31589-MS1)	Matrix Spike Dup	*Source sample: 23G1261-04 (Matrix Spike Dup)							Prepared & Analyzed: 07/27/2023		
Cyanide, total	10.2	0.543	mg/kg dry	10.9	ND	94.0	79.6-107		3.66	200	
Reference (BG31589-SRM1)	Reference								Prepared & Analyzed: 07/27/2023		
Cyanide, total	177		ug/mL	131		135	44.4-156.5				

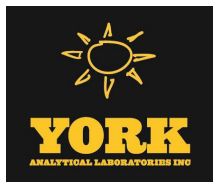
Batch BH30121 - Analysis Preparation Soil

Blank (BH30121-BLK1)	Blank								Prepared & Analyzed: 08/02/2023		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BH30121-DUP1)	Duplicate	*Source sample: 23G1578-01 (Duplicate)							Prepared & Analyzed: 08/02/2023		
Cyanide, total	ND	0.675	mg/kg dry		ND					15	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30121 - Analysis Preparation Soil											
Matrix Spike (BH30121-MS1)	Matrix Spike	*Source sample: 23G1578-01 (Matrix Spike)					Prepared & Analyzed: 08/02/2023				
Cyanide, total	12.7	0.675	mg/kg dry	13.5	ND	94.0	79.6-107				
Matrix Spike Dup (BH30121-MS1)	Matrix Spike Dup	*Source sample: 23G1578-01 (Matrix Spike Dup)					Prepared & Analyzed: 08/02/2023				
Cyanide, total	12.8	0.675	mg/kg dry	13.5	ND	94.5	79.6-107		0.531	200	
Reference (BH30121-SRM1)	Reference						Prepared & Analyzed: 08/02/2023				
Cyanide, total	143		ug/mL	131		109	44.4-156.5				
Batch BH30314 - EPA SW846-3060											
Blank (BH30314-BLK1)	Blank						Prepared & Analyzed: 08/04/2023				
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BH30314-DUP1)	Duplicate	*Source sample: 23H0140-06 (Duplicate)					Prepared & Analyzed: 08/04/2023				
Chromium, Hexavalent	ND	0.552	mg/kg dry		ND					35	
Matrix Spike (BH30314-MS1)	Matrix Spike	*Source sample: 23H0140-06 (Matrix Spike)					Prepared & Analyzed: 08/04/2023				
Chromium, Hexavalent	ND	0.552	mg/kg dry	22.1	ND		75-125	Low Bias			
Matrix Spike Dup (BH30314-MS1)	Matrix Spike Dup	*Source sample: 23H0140-06 (Matrix Spike Dup)					Prepared & Analyzed: 08/04/2023				
Chromium, Hexavalent	ND	0.552	mg/kg dry	22.1	ND		75-125	Low Bias		200	
Reference (BH30314-SRM1)	Reference						Prepared & Analyzed: 08/04/2023				
Chromium, Hexavalent	278		mg/L	227		122	42.3-157.7				
Batch BH30401 - EPA SW846-3060											
Blank (BH30401-BLK1)	Blank						Prepared & Analyzed: 08/07/2023				
Chromium, Hexavalent	ND	0.500	mg/kg wet								



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30401 - EPA SW846-3060											
Duplicate (BH30401-DUP1)	Duplicate	*Source sample: 23H0025-06 (Duplicate)						Prepared & Analyzed: 08/07/2023			
Chromium, Hexavalent	ND	0.542	mg/kg dry		ND					35	
Matrix Spike (BH30401-MS1)	Matrix Spike	*Source sample: 23H0025-06 (Matrix Spike)						Prepared & Analyzed: 08/07/2023			
Chromium, Hexavalent	0.998	0.542	mg/kg dry	21.7	ND	4.60	75-125	Low Bias			
Matrix Spike Dup (BH30401-MS1-DUP)	Matrix Spike Dup	*Source sample: 23H0025-06 (Matrix Spike Dup)						Prepared & Analyzed: 08/07/2023			
Chromium, Hexavalent	3.34	0.542	mg/kg dry	21.7	ND	15.4	75-125	Low Bias	108	200	
Reference (BH30401-SRM1)	Reference							Prepared & Analyzed: 08/07/2023			
Chromium, Hexavalent	244		mg/L	227		107	42.3-157.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BG31537 - % Solids Prep

Duplicate (BG31537-DUP1)	Duplicate	*Source sample: 23G1537-02 (Duplicate)					Prepared & Analyzed: 07/27/2023		
% Solids		96.5	0.100	%		96.4		0.0723	20

Batch BH30087 - % Solids Prep

Duplicate (BH30087-DUP1)	Duplicate	*Source sample: 23H0080-01 (Duplicate)					Prepared & Analyzed: 08/02/2023		
% Solids		90.4	0.100	%		91.0		0.627	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1244-01	TB02_071923	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1244-03	SB05_1-3	40mL Vial with Stir Bar-Cool 4° C
23G1244-04	SB05_6-8	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23G1244-05	SB07_1-3	40mL Vial with Stir Bar-Cool 4° C
23G1244-06	SB07_3-5	40mL Vial with Stir Bar-Cool 4° C
23G1244-07	SB07_8-10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23G1244-08	SB08_1-3	40mL Vial with Stir Bar-Cool 4° C
23G1244-09	SB08_3-5	40mL Vial with Stir Bar-Cool 4° C
23G1244-10	SB08_7-9	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCVH	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.
HT-PR	Sample was prepared outside of the recommended holding time.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
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.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
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-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.
S-08	The recovery of this surrogate was outside of QC limits.
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.

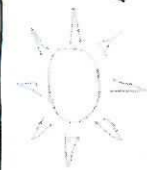
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.

Revision Description: This report has been revised to report activated samples -03, -05, -06, -09 and -10.



Field Chain-of-Custody Record

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.
2361244

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 client-services@yorklab.com www.yorklab.com 800-306-YORK Page **1** of **2**

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan	Company:	SAVE	Company:	SAVE	100964201		RUSH - Next Day	
Address:	300 Kimball Drive, 4th Floor, Parsippany	Address:		Address:				RUSH - Two Day	
Phone:	973 560 4900	Phone:		Phone:				RUSH - Three Day	
Contact:	Amanda Forsberg	Contact:		Contact:				RUSH - Four Day	
E-mail:	Aforsberg@langan.com	E-mail:	1kott@langan.com	E-mail:	nhodolm@langan.com			RUSH - Five Day	
								Standard (6-9 Day) ☒	
								PFAS Standard is 7-10 Days	

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.

Nick Hodolm Jr

Samples Collected by: (print AND sign your name)

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.
TB02-071923	TB	S - soil / solid	New York	☒ Summary Report	VOCs	Vial	2
EB02-071923	EB	GW - groundwater	New Jersey	☐ QA Report	PFAS via 1635		2
SB05-1-3	S	DW - drinking water	Connecticut	☐ CMDP	NYDEC Part 375-specified		8
SB05-6-8	S	WW - wastewater	Pennsylvania	☐ Standard Excel EDD	VOCs, SVOCs, TAL metals, hex		
SB07-1-3	S	O - Oil	Other:	☐ Other:	chromium, trivalent chromium,		
SB07-3-5	S				cyanide, PCBs, herbicides,		
SB07-8-10	S				pesticides, PFAS, 1,4-dioxane,		
SB08-1-3	S				SVOCs, TCLP metals		
SB08-3-5	S						
SB08-7-9	S						3

Comments: Hold TCLP metals for all samples

Preservation: (check all that apply)		Special Instruction	
HCl ☒	MeOH ☒	HNO3 ☒	H2SO4 ☒
Ascorbic Acid ☒	Other: ☒	Field Filtered	Lab to Filter

Samples collected at time of lab pickup? circle Yes or No

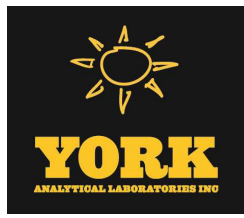
1. Samples Relinquished by / Company
Date/Time: 7/19/23 8:17
Signature: [Signature]

2. Samples Relinquished by / Company
Date/Time: 7/20/23
Signature: [Signature]

3. Samples Relinquished by / Company
Date/Time: 7/20/23 17:10
Signature: [Signature]

4. Samples Relinquished by / Company
Date/Time: 7/20/23 20:30
Signature: [Signature]

Temperature: 41.3 Degrees C



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 07/27/2023

Client Project ID: 100964201

York Project (SDG) No.: 23G1356



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 07/27/2023
Client Project ID: 100964201
York Project (SDG) No.: 23G1356

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

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 July 24, 2023 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1356-01	SV01_072423	Soil Vapor	07/24/2023	07/24/2023
23G1356-02	SV02_072423	Soil Vapor	07/24/2023	07/24/2023
23G1356-03	SV03_072423	Soil Vapor	07/24/2023	07/24/2023
23G1356-05	DUP01_072423	Soil Vapor	07/24/2023	07/24/2023

General Notes for York Project (SDG) No.: 23G1356

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.

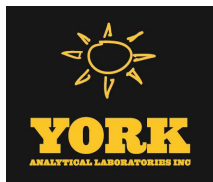
Approved By



Cassie L. Mosher
Laboratory Manager

Date: 07/27/2023





Sample Information

Client Sample ID: SV01_072423

York Sample ID: 23G1356-01

York Project (SDG) No.

23G1356

Client Project ID

100964201

Matrix

Soil Vapor

Collection Date/Time

July 24, 2023 12:10 pm

Date Received

07/24/2023

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/m ³	1.0	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR
71-55-6	1,1,1-Trichloroethane	7.7		ug/m ³	0.82	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.82	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.61	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
95-63-6	1,2,4-Trimethylbenzene	3.6		ug/m ³	0.74	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.91	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.61	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.70	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
108-67-8	1,3,5-Trimethylbenzene	1.8		ug/m ³	0.74	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.91	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.70	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.91	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
78-93-3	2-Butanone	8.6		ug/m ³	0.45	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR



Sample Information

Client Sample ID: SV01_072423

York Sample ID: 23G1356-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:10 pm

07/24/2023

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/m ³	1.2	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.62	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
67-64-1	Acetone	91		ug/m ³	0.72	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
107-13-1	Acrylonitrile	3.9		ug/m ³	0.33	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
71-43-2	Benzene	9.5		ug/m ³	0.48	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.78	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-25-2	Bromoform	ND		ug/m ³	1.6	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
74-83-9	Bromomethane	ND		ug/m ³	0.59	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-15-0	Carbon disulfide	39		ug/m ³	0.47	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.70	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-00-3	Chloroethane	ND		ug/m ³	0.40	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
67-66-3	Chloroform	9.4		ug/m ³	0.74	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
74-87-3	Chloromethane	ND		ug/m ³	0.31	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
110-82-7	Cyclohexane	130		ug/m ³	0.52	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.75	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
141-78-6	* Ethyl acetate	11		ug/m ³	1.1	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR



Sample Information

Client Sample ID: SV01_072423

York Sample ID: 23G1356-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:10 pm

07/24/2023

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/m ³	0.66	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
67-63-0	Isopropanol	120	B	ug/m ³	1.9	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.62	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.54	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.0	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
142-82-5	n-Heptane	ND		ug/m ³	0.62	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
110-54-3	n-Hexane	5.6		ug/m ³	0.53	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
95-47-6	o-Xylene	4.8		ug/m ³	0.66	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
179601-23-1	p- & m- Xylenes	11		ug/m ³	1.3	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
622-96-8	* p-Ethyltoluene	3.5		ug/m ³	0.74	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR
115-07-1	* Propylene	ND		ug/m ³	0.26	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR
100-42-5	Styrene	1.4		ug/m ³	0.64	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
127-18-4	Tetrachloroethylene	21		ug/m ³	1.0	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.89	1.51	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 03:52	YR
108-88-3	Toluene	14		ug/m ³	0.57	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.60	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
79-01-6	Trichloroethylene	7.7		ug/m ³	0.20	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
75-69-4	Trichlorofluoromethane (Freon 11)	3.3		ug/m ³	0.85	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.53	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.66	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR



Sample Information

Client Sample ID: SV01_072423

York Sample ID: 23G1356-01

York Project (SDG) No.
23G1356

Client Project ID
100964201

Matrix
Soil Vapor

Collection Date/Time
July 24, 2023 12:10 pm

Date Received
07/24/2023

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/m ³	0.19	1.51	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 03:52	YR



Sample Information

Client Sample ID: SV02_072423

York Sample ID: 23G1356-02

York Project (SDG) No.
23G1356

Client Project ID
100964201

Matrix
Soil Vapor

Collection Date/Time
July 24, 2023 12:20 pm

Date Received
07/24/2023

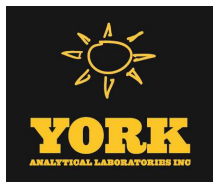
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	1.1	1.659	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 04:55	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.91	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.67	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
95-63-6	1,2,4-Trimethylbenzene	1.3		ug/m ³	0.82	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.67	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.82	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.659	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 04:55	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
78-93-3	2-Butanone	2.0		ug/m ³	0.49	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.659	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 04:55	YR



Sample Information

Client Sample ID: SV02_072423

York Sample ID: 23G1356-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:20 pm

07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	2.6	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
108-10-1	4-Methyl-2-pentanone	1.1		ug/m ³	0.68	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
67-64-1	Acetone	18		ug/m ³	0.79	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
71-43-2	Benzene	2.0		ug/m ³	0.53	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
56-23-5	Carbon tetrachloride	1.0		ug/m ³	0.26	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.76	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-00-3	Chloroethane	ND		ug/m ³	0.44	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
67-66-3	Chloroform	200		ug/m ³	0.81	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
74-87-3	Chloromethane	ND		ug/m ³	0.34	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
110-82-7	Cyclohexane	0.63		ug/m ³	0.57	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.82	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
141-78-6	* Ethyl acetate	1.5		ug/m ³	1.2	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
100-41-4	Ethyl Benzene	1.1		ug/m ³	0.72	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR



Sample Information

Client Sample ID: SV02_072423

York Sample ID: 23G1356-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:20 pm

07/24/2023

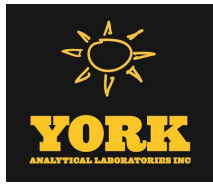
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	1.8	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
67-63-0	Isopropanol	17	B	ug/m ³	2.0	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.68	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
142-82-5	n-Heptane	ND		ug/m ³	0.68	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
110-54-3	n-Hexane	1.6		ug/m ³	0.58	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
95-47-6	o-Xylene	1.3		ug/m ³	0.72	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
179601-23-1	p- & m- Xylenes	3.9		ug/m ³	1.4	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
622-96-8	* p-Ethyltoluene	1.1		ug/m ³	0.82	1.659	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 04:55	YR
115-07-1	* Propylene	ND		ug/m ³	0.29	1.659	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 04:55	YR
100-42-5	Styrene	ND		ug/m ³	0.71	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
127-18-4	Tetrachloroethylene	1.7		ug/m ³	1.1	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
109-99-9	* Tetrahydrofuran	2.0		ug/m ³	0.98	1.659	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 04:55	YR
108-88-3	Toluene	5.0		ug/m ³	0.63	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.66	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
79-01-6	Trichloroethylene	2.6		ug/m ³	0.22	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.9		ug/m ³	0.93	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.58	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.659	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 04:55	YR



Sample Information

Client Sample ID: SV02_072423

York Sample ID: 23G1356-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:20 pm

07/24/2023



Sample Information

Client Sample ID: SV03_072423

York Sample ID: 23G1356-03

York Project (SDG) No.
23G1356

Client Project ID
100964201

Matrix
Soil Vapor

Collection Date/Time
July 24, 2023 12:25 pm

Date Received
07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	1.1	1.609	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 05:58	YR
71-55-6	1,1,1-Trichloroethane	200		ug/m ³	0.88	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.88	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-34-3	1,1-Dichloroethane	3.3		ug/m ³	0.65	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
95-63-6	1,2,4-Trimethylbenzene	4.3		ug/m ³	0.79	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.97	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.65	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.74	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
108-67-8	1,3,5-Trimethylbenzene	1.3		ug/m ³	0.79	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.97	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.74	1.609	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 05:58	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.97	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
78-93-3	2-Butanone	6.4		ug/m ³	0.47	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.609	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 05:58	YR



Sample Information

Client Sample ID: SV03_072423

York Sample ID: 23G1356-03

York Project (SDG) No.
23G1356

Client Project ID
100964201

Matrix
Soil Vapor

Collection Date/Time
July 24, 2023 12:25 pm

Date Received
07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	2.5	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.66	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
67-64-1	Acetone	40		ug/m ³	0.76	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
107-13-1	Acrylonitrile	1.9		ug/m ³	0.35	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
71-43-2	Benzene	ND		ug/m ³	0.51	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.83	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-25-2	Bromoform	ND		ug/m ³	1.7	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
74-83-9	Bromomethane	ND		ug/m ³	0.62	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-15-0	Carbon disulfide	16		ug/m ³	0.50	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
56-23-5	Carbon tetrachloride	1.0		ug/m ³	0.25	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.74	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-00-3	Chloroethane	ND		ug/m ³	0.42	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
67-66-3	Chloroform	3.8		ug/m ³	0.79	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
74-87-3	Chloromethane	ND		ug/m ³	0.33	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.73	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
110-82-7	Cyclohexane	5.9		ug/m ³	0.55	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.80	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
100-41-4	Ethyl Benzene	1.5		ug/m ³	0.70	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR



Sample Information

Client Sample ID: SV03_072423

York Sample ID: 23G1356-03

York Project (SDG) No.

23G1356

Client Project ID

100964201

Matrix

Soil Vapor

Collection Date/Time

July 24, 2023 12:25 pm

Date Received

07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	1.7	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
67-63-0	Isopropanol	15	B	ug/m ³	2.0	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.66	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.58	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
142-82-5	n-Heptane	22		ug/m ³	0.66	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
110-54-3	n-Hexane	64		ug/m ³	0.57	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
95-47-6	o-Xylene	2.2		ug/m ³	0.70	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
179601-23-1	p- & m- Xylenes	5.0		ug/m ³	1.4	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
622-96-8	* p-Ethyltoluene	2.9		ug/m ³	0.79	1.609	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 05:58	YR
115-07-1	* Propylene	130		ug/m ³	0.28	1.609	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 05:58	YR
100-42-5	Styrene	ND		ug/m ³	0.69	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
127-18-4	Tetrachloroethylene	15		ug/m ³	1.1	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.95	1.609	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 05:58	YR
108-88-3	Toluene	5.2		ug/m ³	0.61	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.64	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.73	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
79-01-6	Trichloroethylene	2.9		ug/m ³	0.22	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.90	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
108-05-4	Vinyl acetate	ND		ug/m ³	0.57	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.70	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.609	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 05:58	YR



Sample Information

Client Sample ID: SV03_072423

York Sample ID: 23G1356-03

York Project (SDG) No.

23G1356

Client Project ID

100964201

Matrix

Soil Vapor

Collection Date/Time

July 24, 2023 12:25 pm

Date Received

07/24/2023



Sample Information

Client Sample ID: DUP01_072423

York Sample ID: 23G1356-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:15 pm

07/24/2023

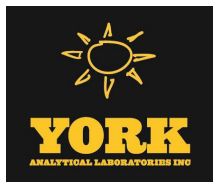
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	2.4	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:			
71-55-6	1,1,1-Trichloroethane	9.9		ug/m ³	1.9	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.4	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.7	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.9	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.4	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.35	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.6	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	4.3		ug/m ³	1.7	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.7	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.1	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.4	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.6	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.4	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	2.1		ug/m ³	1.7	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m ³	2.3	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.1	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.6	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.1	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m ³	2.5	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	2-Butanone	9.4		ug/m ³	1.0	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m ³	2.9	3.49	EPA TO-15	07/25/2023 12:00	07/26/2023 08:00	YR
							Certifications:			



Sample Information

Client Sample ID: DUP01_072423

York Sample ID: 23G1356-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:15 pm

07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	5.5	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
67-64-1	Acetone	93		ug/m ³	1.7	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
107-13-1	Acrylonitrile	4.8		ug/m ³	0.76	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
71-43-2	Benzene	11		ug/m ³	1.1	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
100-44-7	Benzyl chloride	ND		ug/m ³	1.8	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	2.3	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-25-2	Bromoform	ND		ug/m ³	3.6	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
74-83-9	Bromomethane	ND		ug/m ³	1.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-15-0	Carbon disulfide	46		ug/m ³	1.1	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.55	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
108-90-7	Chlorobenzene	ND		ug/m ³	1.6	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-00-3	Chloroethane	ND		ug/m ³	0.92	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
67-66-3	Chloroform	12		ug/m ³	1.7	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
74-87-3	Chloromethane	ND		ug/m ³	0.72	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.35	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.6	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
110-82-7	Cyclohexane	170		ug/m ³	1.2	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	3.0	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	1.7	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	2.5	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
100-41-4	Ethyl Benzene	3.8		ug/m ³	1.5	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR



Sample Information

Client Sample ID: DUP01_072423

York Sample ID: 23G1356-05

York Project (SDG) No.

23G1356

Client Project ID

100964201

Matrix

Soil Vapor

Collection Date/Time

July 24, 2023 12:15 pm

Date Received

07/24/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

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/m ³	3.7	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
67-63-0	Isopropanol	86	B	ug/m ³	4.3	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.3	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-09-2	Methylene chloride	ND		ug/m ³	2.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
142-82-5	n-Heptane	ND		ug/m ³	1.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
110-54-3	n-Hexane	4.9		ug/m ³	1.2	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
95-47-6	o-Xylene	5.5		ug/m ³	1.5	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
179601-23-1	p- & m- Xylenes	10		ug/m ³	3.0	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
622-96-8	* p-Ethyltoluene	4.3		ug/m ³	1.7	3.49	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 08:00	YR
115-07-1	* Propylene	5.5		ug/m ³	0.60	3.49	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 08:00	YR
100-42-5	Styrene	ND		ug/m ³	1.5	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
127-18-4	Tetrachloroethylene	25		ug/m ³	2.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.1	3.49	EPA TO-15 Certifications:	07/25/2023 12:00	07/26/2023 08:00	YR
108-88-3	Toluene	12		ug/m ³	1.3	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.4	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.6	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
79-01-6	Trichloroethylene	3.9		ug/m ³	0.47	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-69-4	Trichlorofluoromethane (Freon 11)	2.0		ug/m ³	2.0	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
593-60-2	Vinyl bromide	ND		ug/m ³	1.5	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.45	3.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2023 12:00	07/26/2023 08:00	YR



Sample Information

Client Sample ID: **DUP01_072423**

York Sample ID: **23G1356-05**

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1356

100964201

Soil Vapor

July 24, 2023 12:15 pm

07/24/2023



Analytical Batch Summary

Batch ID: BG31478

Preparation Method: EPA TO15 PREP

Prepared By: YR

YORK Sample ID	Client Sample ID	Preparation Date
23G1356-01	SV01_072423	07/25/23
23G1356-02	SV02_072423	07/25/23
23G1356-03	SV03_072423	07/25/23
23G1356-05	DUP01_072423	07/25/23
BG31478-BLK1	Blank	07/25/23
BG31478-BS1	LCS	07/25/23
BG31478-DUP1	Duplicate	07/25/23



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31478 - EPA TO15 PREP

Blank (BG31478-BLK1)	Blank									Prepared & Analyzed: 07/25/2023
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³							
1,1,1-Trichloroethane	ND	0.55	"							
1,1,2,2-Tetrachloroethane	ND	0.69	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"							
1,1,2-Trichloroethane	ND	0.55	"							
1,1-Dichloroethane	ND	0.40	"							
1,1-Dichloroethylene	ND	0.099	"							
1,2,4-Trichlorobenzene	0.89	0.74	"							
1,2,4-Trimethylbenzene	ND	0.49	"							
1,2-Dibromoethane	ND	0.77	"							
1,2-Dichlorobenzene	ND	0.60	"							
1,2-Dichloroethane	ND	0.40	"							
1,2-Dichloropropane	ND	0.46	"							
1,2-Dichlorotetrafluoroethane	ND	0.70	"							
1,3,5-Trimethylbenzene	ND	0.49	"							
1,3-Butadiene	ND	0.66	"							
1,3-Dichlorobenzene	ND	0.60	"							
1,3-Dichloropropane	ND	0.46	"							
1,4-Dichlorobenzene	ND	0.60	"							
1,4-Dioxane	ND	0.72	"							
2-Butanone	ND	0.29	"							
2-Hexanone	ND	0.82	"							
3-Chloropropene	ND	1.6	"							
4-Methyl-2-pentanone	ND	0.41	"							
Acetone	ND	0.48	"							
Acrylonitrile	ND	0.22	"							
Benzene	ND	0.32	"							
Benzyl chloride	ND	0.52	"							
Bromodichloromethane	ND	0.67	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	0.39	"							
Carbon disulfide	ND	0.31	"							
Carbon tetrachloride	ND	0.16	"							
Chlorobenzene	ND	0.46	"							
Chloroethane	ND	0.26	"							
Chloroform	ND	0.49	"							
Chloromethane	ND	0.21	"							
cis-1,2-Dichloroethylene	ND	0.099	"							
cis-1,3-Dichloropropylene	ND	0.45	"							
Cyclohexane	ND	0.34	"							
Dibromochloromethane	ND	0.85	"							
Dichlorodifluoromethane	ND	0.49	"							
Ethyl acetate	ND	0.72	"							
Ethyl Benzene	ND	0.43	"							
Hexachlorobutadiene	ND	1.1	"							
Isopropanol	0.88	0.49	"							
Methyl Methacrylate	ND	0.41	"							
Methyl tert-butyl ether (MTBE)	ND	0.36	"							
Methylene chloride	ND	0.69	"							
n-Heptane	ND	0.41	"							



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31478 - EPA TO15 PREP

Blank (BG31478-BLK1)	Blank										Prepared & Analyzed: 07/25/2023
n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BG31478-BS1)	LCS										Prepared & Analyzed: 07/25/2023
1,1,1,2-Tetrachloroethane	9.40		ppbv	10.0		94.0	70-130				
1,1,1-Trichloroethane	10.7		"	10.0		107	70-130				
1,1,2,2-Tetrachloroethane	8.47		"	10.0		84.7	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	8.89		"	10.0		88.9	70-130				
1,1-Dichloroethane	9.28		"	10.0		92.8	70-130				
1,1-Dichloroethylene	9.68		"	10.0		96.8	70-130				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	70-130				
1,2,4-Trimethylbenzene	9.15		"	10.0		91.5	70-130				
1,2-Dibromoethane	9.07		"	10.0		90.7	70-130				
1,2-Dichlorobenzene	9.69		"	10.0		96.9	70-130				
1,2-Dichloroethane	9.83		"	10.0		98.3	70-130				
1,2-Dichloropropane	8.08		"	10.0		80.8	70-130				
1,2-Dichlorotetrafluoroethane	11.3		"	10.0		113	70-130				
1,3,5-Trimethylbenzene	8.75		"	10.0		87.5	70-130				
1,3-Butadiene	11.4		"	10.0		114	70-130				
1,3-Dichlorobenzene	9.80		"	10.0		98.0	70-130				
1,3-Dichloropropane	8.06		"	10.0		80.6	70-130				
1,4-Dichlorobenzene	9.73		"	10.0		97.3	70-130				
1,4-Dioxane	9.61		"	10.0		96.1	70-130				
2-Butanone	9.32		"	10.0		93.2	70-130				
2-Hexanone	8.11		"	10.0		81.1	70-130				
3-Chloropropene	8.85		"	10.0		88.5	70-130				
4-Methyl-2-pentanone	7.52		"	10.0		75.2	70-130				
Acetone	9.26		"	10.0		92.6	70-130				
Acrylonitrile	9.54		"	10.0		95.4	70-130				
Benzene	9.91		"	10.0		99.1	70-130				
Benzyl chloride	9.97		"	10.0		99.7	70-130				
Bromodichloromethane	8.87		"	10.0		88.7	70-130				
Bromoform	10.6		"	10.0		106	70-130				
Bromomethane	10.8		"	10.0		108	70-130				
Carbon disulfide	9.96		"	10.0		99.6	70-130				
Carbon tetrachloride	11.8		"	10.0		118	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31478 - EPA TO15 PREP

LCS (BG31478-BS1)	LCS	Prepared & Analyzed: 07/25/2023									
Chlorobenzene	9.06		ppbv	10.0		90.6	70-130				
Chloroethane	10.3		"	10.0		103	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	10.5		"	10.0		105	70-130				
cis-1,2-Dichloroethylene	9.51		"	10.0		95.1	70-130				
cis-1,3-Dichloropropylene	8.69		"	10.0		86.9	70-130				
Cyclohexane	9.48		"	10.0		94.8	70-130				
Dibromochloromethane	10.0		"	10.0		100	70-130				
Dichlorodifluoromethane	10.0		"	10.0		100	70-130				
Ethyl acetate	9.39		"	10.0		93.9	70-130				
Ethyl Benzene	8.49		"	10.0		84.9	70-130				
Hexachlorobutadiene	9.70		"	10.0		97.0	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	8.04		"	10.0		80.4	70-130				
Methyl tert-butyl ether (MTBE)	9.98		"	10.0		99.8	70-130				
Methylene chloride	9.09		"	10.0		90.9	70-130				
n-Heptane	9.32		"	10.0		93.2	70-130				
n-Hexane	9.65		"	10.0		96.5	70-130				
o-Xylene	8.48		"	10.0		84.8	70-130				
p- & m- Xylenes	17.2		"	20.0		86.2	70-130				
p-Ethyltoluene	9.31		"	10.0		93.1	70-130				
Propylene	9.24		"	10.0		92.4	70-130				
Styrene	9.24		"	10.0		92.4	70-130				
Tetrachloroethylene	9.20		"	10.0		92.0	70-130				
Tetrahydrofuran	8.74		"	10.0		87.4	70-130				
Toluene	8.29		"	10.0		82.9	70-130				
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	70-130				
trans-1,3-Dichloropropylene	8.85		"	10.0		88.5	70-130				
Trichloroethylene	8.32		"	10.0		83.2	70-130				
Trichlorofluoromethane (Freon 11)	10.5		"	10.0		105	70-130				
Vinyl acetate	9.94		"	10.0		99.4	70-130				
Vinyl bromide	11.8		"	10.0		118	70-130				
Vinyl Chloride	10.5		"	10.0		105	70-130				



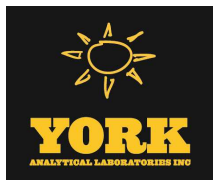
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31478 - EPA TO15 PREP

Duplicate (BG31478-DUP1)	Duplicate	*Source sample: 23G1356-05 (DUP01_072423)				Prepared: 07/25/2023 Analyzed: 07/26/2023					
1,1,1,2-Tetrachloroethane	ND	2.4	ug/m ³	ND						25	
1,1,1-Trichloroethane	10	1.9	"	9.9					5.61	25	
1,1,2,2-Tetrachloroethane	ND	2.4	"	ND						25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.7	"	ND						25	
1,1,2-Trichloroethane	ND	1.9	"	ND						25	
1,1-Dichloroethane	ND	1.4	"	ND						25	
1,1-Dichloroethylene	ND	0.35	"	ND						25	
1,2,4-Trichlorobenzene	ND	2.6	"	ND						25	
1,2,4-Trimethylbenzene	4.1	1.7	"	4.3					4.08	25	
1,2-Dibromoethane	ND	2.7	"	ND						25	
1,2-Dichlorobenzene	ND	2.1	"	ND						25	
1,2-Dichloroethane	ND	1.4	"	ND						25	
1,2-Dichloropropane	ND	1.6	"	ND						25	
1,2-Dichlorotetrafluoroethane	ND	2.4	"	ND						25	
1,3,5-Trimethylbenzene	2.2	1.7	"	2.1					8.00	25	
1,3-Butadiene	ND	2.3	"	ND						25	
1,3-Dichlorobenzene	ND	2.1	"	ND						25	
1,3-Dichloropropane	ND	1.6	"	ND						25	
1,4-Dichlorobenzene	ND	2.1	"	ND						25	
1,4-Dioxane	ND	2.5	"	ND						25	
2-Butanone	9.8	1.0	"	9.4					4.30	25	
2-Hexanone	ND	2.9	"	ND						25	
3-Chloropropene	ND	5.5	"	ND						25	
4-Methyl-2-pentanone	ND	1.4	"	ND						25	
Acetone	99	1.7	"	93					6.46	25	
Acrylonitrile	4.9	0.76	"	4.8					1.55	25	
Benzene	11	1.1	"	11					3.96	25	
Benzyl chloride	ND	1.8	"	ND						25	
Bromodichloromethane	ND	2.3	"	ND						25	
Bromoform	ND	3.6	"	ND						25	
Bromomethane	ND	1.4	"	ND						25	
Carbon disulfide	48	1.1	"	46					4.40	25	
Carbon tetrachloride	ND	0.55	"	ND						25	
Chlorobenzene	ND	1.6	"	ND						25	
Chloroethane	ND	0.92	"	ND						25	
Chloroform	13	1.7	"	12					4.03	25	
Chloromethane	ND	0.72	"	ND						25	
cis-1,2-Dichloroethylene	ND	0.35	"	ND						25	
cis-1,3-Dichloropropylene	ND	1.6	"	ND						25	
Cyclohexane	180	1.2	"	170					4.05	25	
Dibromochloromethane	ND	3.0	"	ND						25	
Dichlorodifluoromethane	2.8	1.7	"	2.6					6.45	25	
Ethyl acetate	ND	2.5	"	ND						25	
Ethyl Benzene	3.6	1.5	"	3.8					4.08	25	
Hexachlorobutadiene	ND	3.7	"	ND						25	
Isopropanol	90	1.7	"	86					4.09	25	
Methyl Methacrylate	ND	1.4	"	ND						25	
Methyl tert-butyl ether (MTBE)	ND	1.3	"	ND						25	
Methylene chloride	ND	2.4	"	ND						25	
n-Heptane	ND	1.4	"	ND						25	
n-Hexane	4.9	1.2	"	4.9					0.00	25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31478 - EPA TO15 PREP

Duplicate (BG31478-DUP1)	Duplicate	*Source sample: 23G1356-05 (DUP01_072423)				Prepared: 07/25/2023 Analyzed: 07/26/2023	
o-Xylene		5.8	1.5	ug/m³	5.5	5.41	25
p- & m- Xylenes		10	3.0	"	10	0.00	25
p-Ethyltoluene		4.1	1.7	"	4.3	4.08	25
Propylene		6.0	0.60	"	5.5	9.42	25
Styrene		ND	1.5	"	ND		25
Tetrachloroethylene		27	2.4	"	25	4.57	25
Tetrahydrofuran		ND	2.1	"	ND		25
Toluene		12	1.3	"	12	2.17	25
trans-1,2-Dichloroethylene		ND	1.4	"	ND		25
trans-1,3-Dichloropropylene		ND	1.6	"	ND		25
Trichloroethylene		4.1	0.47	"	3.9	4.65	25
Trichlorofluoromethane (Freon 11)		ND	2.0	"	ND		25
Vinyl acetate		ND	1.2	"	ND		25
Vinyl bromide		ND	1.5	"	ND		25
Vinyl Chloride		ND	0.45	"	ND		25





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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

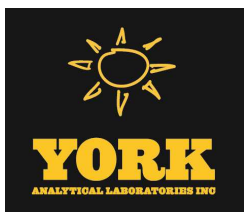
Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Sample -04 (SV04_072423) was observed to be leaking upon receipt. The client was contacted and the lab was instructed to cancel the analysis for this sample.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 08/04/2023

Client Project ID: 100964201

York Project (SDG) No.: 23G1449



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 08/04/2023
Client Project ID: 100964201
York Project (SDG) No.: 23G1449

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

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 July 25, 2023 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G1449-01	MW01_072523	Water	07/25/2023	07/25/2023
23G1449-02	MW02_072523	Water	07/25/2023	07/25/2023
23G1449-03	DUP01_072523	Water	07/25/2023	07/25/2023
23G1449-04	MW03_072523	Water	07/25/2023	07/25/2023
23G1449-05	MW04_072523	Water	07/25/2023	07/25/2023
23G1449-06	FB01_072523	Water	07/25/2023	07/25/2023
23G1449-07	TB01_072523	Water	07/25/2023	07/25/2023
23G1449-08	EB01_072523	Water	07/25/2023	07/25/2023

General Notes for York Project (SDG) No.: 23G1449

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.

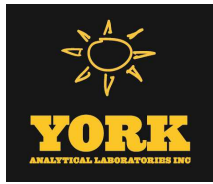
Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/04/2023





Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

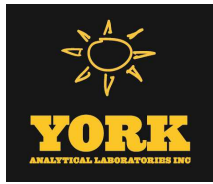
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2023 06:55	08/03/2023 01:31	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
95-63-6	1,2,4-Trimethylbenzene	2.17		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-67-8	1,3,5-Trimethylbenzene	4.54		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

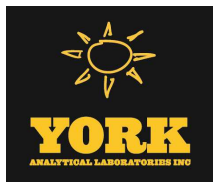
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
594-20-7	2,2-Dichloropropane	ND	ICVE	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
591-78-6	2-Hexanone	16.8	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
71-43-2	Benzene	104		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

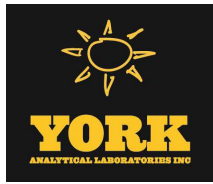
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
110-82-7	Cyclohexane	98.1	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
100-41-4	Ethyl Benzene	11.8		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
98-82-8	Isopropylbenzene	42.0		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	2.89		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-87-2	Methylcyclohexane	504		ug/L	2.38	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 11:26	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
104-51-8	n-Butylbenzene	13.5		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
103-65-1	n-Propylbenzene	84.6		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
95-47-6	o-Xylene	9.01		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
179601-23-1	p- & m- Xylenes	95.7		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
99-87-6	p-Isopropyltoluene	11.8		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
135-98-8	sec-Butylbenzene	9.82		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
98-06-6	tert-Butylbenzene	2.47		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-88-3	Toluene	25.0		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/03/2023 01:31	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/03/2023 01:31	JTG
1330-20-7	Xylenes, Total	105		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2023 06:55	08/03/2023 01:31	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.4 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	109 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
91-57-6	2-Methylnaphthalene	12.7		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 20:48	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	20.0 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	10.6 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	58.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	104 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.9 %			30.7-106						

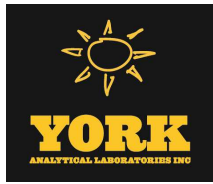
SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	0.973		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
208-96-8	Acenaphthylene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
120-12-7	Anthracene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
1912-24-9	Atrazine	ND		ug/L	5.41	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	15.2	B	ug/L	5.41	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
218-01-9	Chrysene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	0.541		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
86-73-7	Fluorene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.216	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	5.41	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
67-72-1	Hexachloroethane	ND		ug/L	5.41	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
91-20-3	Naphthalene	1.73	B	ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
98-95-3	Nitrobenzene	ND		ug/L	2.70	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	5.41	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.70	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 12:58	KH
85-01-8	Phenanthrene	1.51		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH
129-00-0	Pyrene	0.541		ug/L	0.541	10	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 12:58	KH

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	07/25/2023 19:33	07/27/2023 12:34	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	57.5 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	4.10		ng/L	0.499	1.88	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	5.17		ng/L	0.372	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

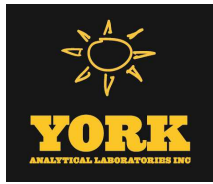
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.13		ng/L	0.754	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.67	J	ng/L	0.722	1.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	10.4		ng/L	0.446	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	10.2		ng/L	0.871	1.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	3.13		ng/L	0.552	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.797	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.20	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.935	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.786	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.733	2.12	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.839	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.09	2.12	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	8.84		ng/L	0.244	4.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.935	2.12	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.967	2.03	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.40	2.05	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.13	8.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.18	8.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.351	8.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.531	3.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.27	4.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.266	4.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	0.435	J	ng/L	0.393	4.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.807	2.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.90	7.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.43	8.50	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.47	8.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.744	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
919005-14-4	ADONA	ND		ng/L	0.563	8.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:15	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.988	2.06	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.914	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.16	5.31	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.79	26.6	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	10.1	26.6	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.24	21.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.68	2.12	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.24	21.2	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.91	2.12	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:15	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS 98.6 %
Surrogate: M5PFHxA 185 %
Surrogate: M4PFHpA 89.5 %
Surrogate: M3PFHxS 97.5 %
Surrogate: Perfluoro-n-[13C8]octanoic aci 152 %
Surrogate: M6PFDA 140 %
Surrogate: M7PFUdA 120 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan 99.0 %
Surrogate: M2PFTeDA 91.9 %
Surrogate: Perfluoro-n-[13C4]butanoic aci 1.68 %

25-150
25-150
25-150
25-150
25-150
25-150
25-150
25-150
10-150
25-150





Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfo	189 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	80.2 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	167 %			10-150						
	Surrogate: d3-N-MeFOSAA	222 %			25-150						
	Surrogate: d5-N-EtFOSAA	253 %			25-150						
	Surrogate: M2-6:2 FTS	414 %			25-200						
	Surrogate: M2-8:2 FTS	378 %			25-200						
	Surrogate: M9PFNA	157 %			25-150						
	Surrogate: M2-4:2 FTS	390 %			25-150						
	Surrogate: d-N-MeFOSA	72.8 %			25-150						
	Surrogate: d-N-EtFOSA	84.5 %			25-150						
	Surrogate: M3HFPO-DA	121 %			25-150						
	Surrogate: d9-N-EtFOSE	117 %			25-150						
	Surrogate: d7-N-MeFOSE	121 %			25-150						

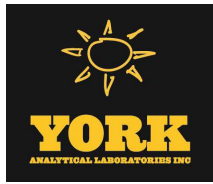
PEST, 8081 MASTER

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
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:03	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.205	1	EPA 8081B Certifications:	08/01/2023 08:02	08/02/2023 11:03	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	106 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	93.8 %	30-150							

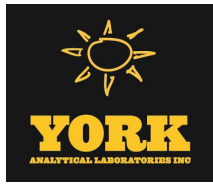
PCB, 8082 MASTER

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

PCB, 8082 MASTER

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
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:07	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	08/01/2023 08:02	08/02/2023 12:07	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	60.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	77.5 %		30-120						

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/28/2023 08:57	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/28/2023 08:57	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/28/2023 08:57	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	55.6 %		30-150						

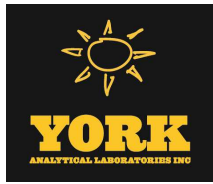
Metals, Target Analyte, ICP

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	0.241		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-39-3	Barium	0.228		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-70-2	Calcium	92.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7439-89-6	Iron	23.8		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7439-92-1	Lead	0.0147		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

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	20.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7439-96-5	Manganese	0.469		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-09-7	Potassium	14.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-23-5	Sodium	220		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:34	CW

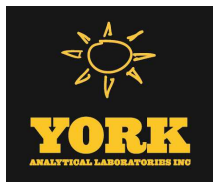
Metals, Target Analyte, ICP Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-39-3	Barium	0.115		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-70-2	Calcium	93.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7439-95-4	Magnesium	21.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7439-96-5	Manganese	0.434		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

Metals, Target Analyte, ICP Dissolved

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
7440-09-7	Potassium	14.1	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-23-5	Sodium	230		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:51	CEG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:08	cw
7440-38-2	Arsenic	0.0126		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:08	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:08	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:08	cw
7782-49-2	Selenium	0.00235		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:08	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:08	cw

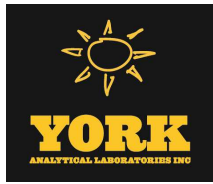
Metals, Target Analyte, ICPMS Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:52	08/01/2023 14:17	cw
7440-38-2	Arsenic	0.00216		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:52	08/01/2023 14:17	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:52	08/01/2023 14:17	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:52	08/01/2023 14:17	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:52	08/01/2023 14:17	cw



Sample Information

Client Sample ID: MW01_072523

York Sample ID: 23G1449-01

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

Metals, Target Analyte, ICPMS Dissolved

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
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:52	08/01/2023 14:17	cw

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:46	08/01/2023 08:46	PA

Mercury, Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 09:01	08/01/2023 09:01	PA

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 20:56	07/25/2023 23:15	SL

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 Certifications:	08/02/2023 07:17	08/02/2023 17:27	PAM

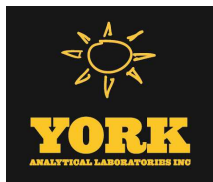
Cyanide, Total

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-2016 / E-2016 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 14:33	08/01/2023 22:39	SL



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2023 06:55	08/02/2023 17:36	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG





Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:15 am

Date Received

07/25/2023

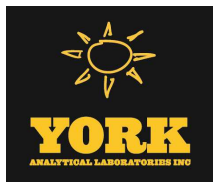
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
594-20-7	2,2-Dichloropropane	ND	ICVE	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

VOA, 8260 LOW MASTER

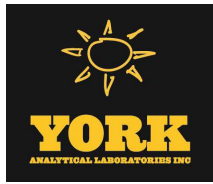
Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	3.49		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG





Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 17:36	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 17:36	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2023 06:55	08/02/2023 17:36	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.7 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.5 %	79-122								

SVOA, 8270 LOW MASTER

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:15 am

Date Received
07/25/2023

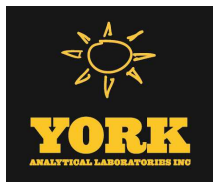
SVOA, 8270 LOW MASTER

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

SVOA, 8270 LOW MASTER

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	CCVE	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:15 am

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

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	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:18	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.5 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	15.2 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	70.0 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.2 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	111 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.9 %			30.7-106						

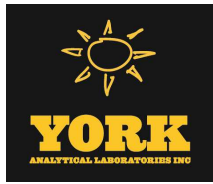
SVOA, 8270 SIM MASTER

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	0.297		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
208-96-8	Acenaphthylene	0.0615		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
120-12-7	Anthracene	0.113		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	3.03	B	ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:15 am

Date Received

07/25/2023

SVOA, 8270 SIM MASTER

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	0.154		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
86-73-7	Fluorene	0.113		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
91-20-3	Naphthalene	0.646	B	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:01	KH
85-01-8	Phenanthrene	0.421		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH
129-00-0	Pyrene	0.154		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:01	KH

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	07/25/2023 19:33	07/27/2023 12:51	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	87.7 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	4.24		ng/L	0.467	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	3.23		ng/L	0.348	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:15 am

Date Received
07/25/2023

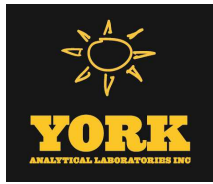
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	3.45		ng/L	0.706	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.893	J	ng/L	0.676	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	15.3		ng/L	0.418	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.815	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.517	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.746	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.736	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.686	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.785	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.02	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	5.11		ng/L	0.229	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.875	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.905	1.90	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.31	1.92	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.05	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.04	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	10.9		ng/L	0.328	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.497	3.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	2.13	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.249	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:15 am

Date Received

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.368	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.756	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.78	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.21	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.37	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.696	7.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
919005-14-4	ADONA	ND		ng/L	0.527	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:27	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.925	1.93	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.855	1.91	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.02	4.97	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.29	24.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.42	24.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.57	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.79	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:27	ESJ

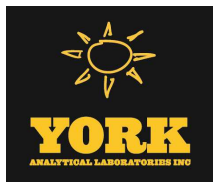
Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS 114 %
Surrogate: M5PFHxA 171 %
Surrogate: M4PFHpA 156 %
Surrogate: M3PFHxS 138 %
Surrogate: Perfluoro-n-[13C8]octanoic acid 164 %
Surrogate: M6PFDA 127 %
Surrogate: M7PFUdA 112 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan 97.4 %
Surrogate: M2PFTeDA 93.9 %
Surrogate: Perfluoro-n-[13C4]butanoic acid 9.83 %

25-150
25-150
25-150
25-150
25-150
25-150
25-150
25-150
10-150
25-150



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfo	124 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	174 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	124 %			10-150						
	Surrogate: d3-N-MeFOSAA	114 %			25-150						
	Surrogate: d5-N-EtFOSAA	110 %			25-150						
	Surrogate: M2-6:2 FTS	189 %			25-200						
	Surrogate: M2-8:2 FTS	108 %			25-200						
	Surrogate: M9PFNA	98.7 %			25-150						
	Surrogate: M2-4:2 FTS	270 %			25-150						
	Surrogate: d-N-MeFOSA	66.9 %			25-150						
	Surrogate: d-N-EtFOSA	45.6 %			25-150						
	Surrogate: M3HFPO-DA	142 %			25-150						
	Surrogate: d9-N-EtFOSE	96.7 %			25-150						
	Surrogate: d7-N-MeFOSE	109 %			25-150						

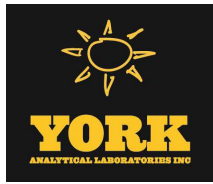
PEST, 8081 MASTER

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
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
5103-71-9	alpha-Chlordane	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
60-57-1	Dieldrin	ND	P	ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:15 am

Date Received

07/25/2023

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:21	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 08:02	08/02/2023 11:21	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	104 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	51.3 %	30-150							

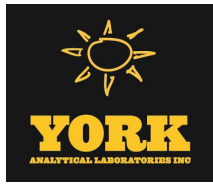
PCB, 8082 MASTER

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

PCB, 8082 MASTER

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
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:21	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 08:02	08/02/2023 12:21	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	89.0 %		30-120						

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:09	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:09	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:09	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	72.8 %		30-150						

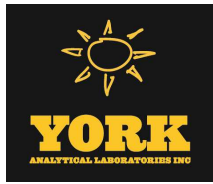
Metals, Target Analyte, ICP

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	0.179		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-39-3	Barium	0.406		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-70-2	Calcium	229		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-48-4	Cobalt	0.00542		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7439-89-6	Iron	12.3		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:15 am

Date Received

07/25/2023

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	64.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7439-96-5	Manganese	9.21		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-09-7	Potassium	37.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-23-5	Sodium	285		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW
7440-66-6	Zinc	0.0279		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:37	CW

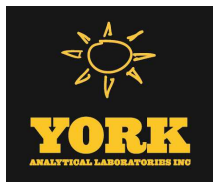
Metals, Target Analyte, ICP Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-39-3	Barium	0.373		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-70-2	Calcium	228		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-47-3	Chromium	0.00782		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-48-4	Cobalt	0.00723		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7439-95-4	Magnesium	64.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7439-96-5	Manganese	9.61		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:15 am

07/25/2023

Metals, Target Analyte, ICP Dissolved

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
7440-09-7	Potassium	36.3	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-23-5	Sodium	296		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:54	CEG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:11	cw
7440-38-2	Arsenic	0.00508		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:11	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:11	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:11	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:11	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:33	07/31/2023 16:11	cw

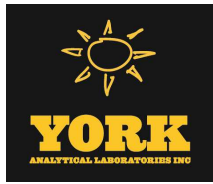
Metals, Target Analyte, ICPMS Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 14:59	cw
7440-38-2	Arsenic	0.00120		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 14:59	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 14:59	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 14:59	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 14:59	cw



Sample Information

Client Sample ID: MW02_072523

York Sample ID: 23G1449-02

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:15 am

Date Received

07/25/2023

Metals, Target Analyte, ICPMS Dissolved

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
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 14:59	cw

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:46	08/01/2023 08:46	PA

Mercury, Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 09:01	08/01/2023 09:01	PA

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 20:56	07/25/2023 23:15	SL

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 Certifications:	08/02/2023 07:17	08/02/2023 17:27	PAM

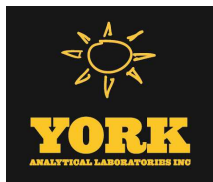
Cyanide, Total

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-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 14:33	08/01/2023 22:39	SL



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:20 am

07/25/2023

VOA, 8260 LOW MASTER

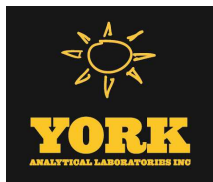
Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 17:09	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG





Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:20 am

Date Received
07/25/2023

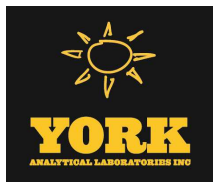
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
594-20-7	2,2-Dichloropropane	ND	ICVE	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:20 am

07/25/2023

VOA, 8260 LOW MASTER

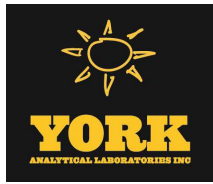
Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
124-48-1	Dibromochloromethane	ND	CCVE, QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	3.62	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG





Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:20 am

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:09	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:09	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 17:09	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.4 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.4 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.5 %	79-122								

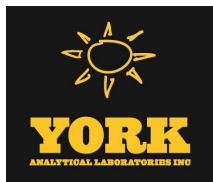
SVOA, 8270 LOW MASTER

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:20 am

07/25/2023

SVOA, 8270 LOW MASTER

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:20 am

Date Received

07/25/2023

SVOA, 8270 LOW MASTER

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	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:20 am

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

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	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 21:47	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	29.7 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	14.5 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.3 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	102 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.6 %			30.7-106						

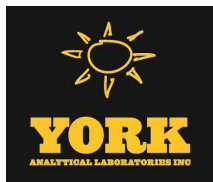
SVOA, 8270 SIM MASTER

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	0.259		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	2.15	B	ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:20 am

Date Received
07/25/2023

SVOA, 8270 SIM MASTER

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	0.130		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
86-73-7	Fluorene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
91-20-3	Naphthalene	0.595	B	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 01:31	KH
85-01-8	Phenanthrene	0.389		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH
129-00-0	Pyrene	0.130		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 01:31	KH

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	07/25/2023 19:33	07/27/2023 13:08	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	82.5 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.74		ng/L	0.488	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	3.31		ng/L	0.364	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:20 am

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.66		ng/L	0.737	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.706	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	18.1		ng/L	0.436	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.852	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.540	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.779	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.17	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.914	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.769	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.717	2.08	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.821	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.07	2.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.38	J	ng/L	0.239	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.914	2.08	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.945	1.98	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.37	2.00	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.10	7.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.13	7.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	12.3		ng/L	0.343	8.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.519	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	2.22	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.260	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:20 am

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.384	4.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.789	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.86	7.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.35	8.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.43	7.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.727	7.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
919005-14-4	ADONA	ND		ng/L	0.550	7.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:39	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.966	2.01	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.893	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.11	5.19	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.61	26.0	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.84	26.0	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.14	20.8	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.64	2.08	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.14	20.8	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.87	2.08	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:39	ESJ

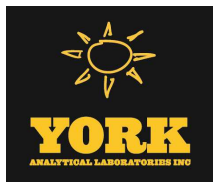
Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS 115 %
Surrogate: M5PFHxA 194 %
Surrogate: M4PFHpA 180 %
Surrogate: M3PFHxS 122 %
Surrogate: Perfluoro-n-[13C8]octanoic aci 145 %
Surrogate: M6PFDA 114 %
Surrogate: M7PFUdA 110 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan 99.5 %
Surrogate: M2PFTeDA 72.4 %
Surrogate: Perfluoro-n-[13C4]butanoic aci 9.84 %

25-150
25-150
25-150
25-150
25-150
25-150
25-150
25-150
10-150
25-150



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:20 am

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfo	176 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	194 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	142 %			10-150						
	Surrogate: d3-N-MeFOSAA	102 %			25-150						
	Surrogate: d5-N-EtFOSAA	117 %			25-150						
	Surrogate: M2-6:2 FTS	160 %			25-200						
	Surrogate: M2-8:2 FTS	77.6 %			25-200						
	Surrogate: M9PFNA	158 %			25-150						
	Surrogate: M2-4:2 FTS	235 %			25-150						
	Surrogate: d-N-MeFOSA	65.7 %			25-150						
	Surrogate: d-N-EtFOSA	53.5 %			25-150						
	Surrogate: M3HFPO-DA	153 %			25-150						
	Surrogate: d9-N-EtFOSE	64.0 %			25-150						
	Surrogate: d7-N-MeFOSE	96.6 %			25-150						

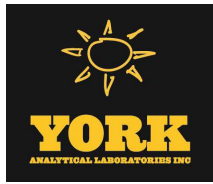
PEST, 8081 MASTER

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
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
5103-71-9	alpha-Chlordane	ND	P	ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:20 am

Date Received

07/25/2023

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:39	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	08/01/2023 08:02	08/02/2023 11:39	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %	30-150							

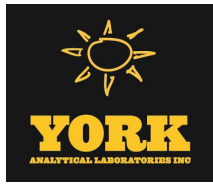
PCB, 8082 MASTER

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

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July 25, 2023 9:20 am

Date Received

07/25/2023

PCB, 8082 MASTER

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
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:35	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	08/01/2023 08:02	08/02/2023 12:35	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	78.0 %								

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:20	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:20	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:20	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	63.8 %								

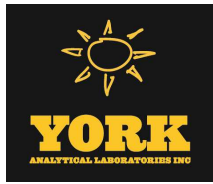
Metals, Target Analyte, ICP

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	0.181		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-39-3	Barium	0.408		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-70-2	Calcium	222		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-48-4	Cobalt	0.00517		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7439-89-6	Iron	12.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7439-92-1	Lead	0.00633		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:20 am

Date Received

07/25/2023

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	63.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7439-96-5	Manganese	9.24		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-09-7	Potassium	37.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-23-5	Sodium	285		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW
7440-66-6	Zinc	0.0328		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:40	CW

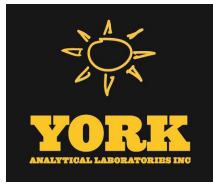
Metals, Target Analyte, ICP Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-39-3	Barium	0.379		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-70-2	Calcium	233		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-47-3	Chromium	0.00811		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-48-4	Cobalt	0.00690		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7439-95-4	Magnesium	64.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7439-96-5	Manganese	9.86		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:20 am

Date Received

07/25/2023

Metals, Target Analyte, ICP Dissolved

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
7440-09-7	Potassium	36.7	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-23-5	Sodium	300		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 20:57	CEG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:24	cw
7440-38-2	Arsenic	0.00483		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:24	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:24	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:24	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:24	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:24	cw

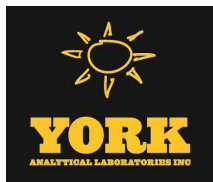
Metals, Target Analyte, ICPMS Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:02	cw
7440-38-2	Arsenic	0.00144		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:02	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:02	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:02	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:02	cw



Sample Information

Client Sample ID: DUP01_072523

York Sample ID: 23G1449-03

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:20 am

Date Received
07/25/2023

Metals, Target Analyte, ICPMS Dissolved

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
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:02	cw

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:46	08/01/2023 08:46	PA

Mercury, Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 09:01	08/01/2023 09:01	PA

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 20:56	07/25/2023 23:15	SL

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 Certifications:	08/02/2023 07:17	08/02/2023 17:27	PAM

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-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 14:33	08/01/2023 22:39	SL



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:00 pm

07/25/2023

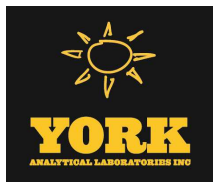
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 17:36	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
95-50-1	1,2-Dichlorobenzene	0.920		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:00 pm

07/25/2023

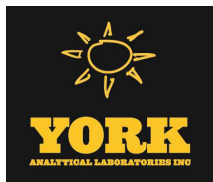
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
594-20-7	2,2-Dichloropropane	ND	ICVE	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
67-64-1	Acetone	2.05	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-90-7	Chlorobenzene	1.33		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:00 pm

07/25/2023

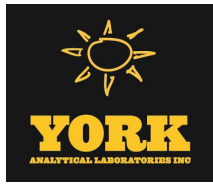
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
124-48-1	Dibromochloromethane	ND	CCVE, QL-02	ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	CCVE	ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

Client Project ID

Matrix

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23G1449

100964201

Water

July 25, 2023 12:00 pm

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2023 06:09	08/03/2023 17:36	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/03/2023 06:09	08/03/2023 17:36	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2023 06:09	08/03/2023 17:36	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.3 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.3 %	79-122								

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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 Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:00 pm

07/25/2023

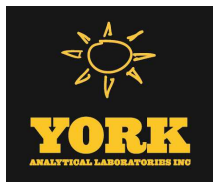
SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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 Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:00 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:00 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes: EXT-EM

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:17	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	29.7 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	17.8 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.5 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.5 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	112 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.0 %			30.7-106						

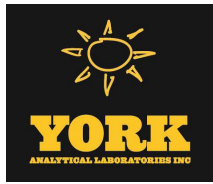
SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
208-96-8	Acenaphthylene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
120-12-7	Anthracene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
1912-24-9	Atrazine	ND		ug/L	250	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	250	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
218-01-9	Chrysene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:00 pm

Date Received

07/25/2023

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes: EXT-EM

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	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
86-73-7	Fluorene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
118-74-1	Hexachlorobenzene	ND		ug/L	10.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	250	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
67-72-1	Hexachloroethane	ND		ug/L	250	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
91-20-3	Naphthalene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
98-95-3	Nitrobenzene	ND		ug/L	125	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	250	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
87-86-5	Pentachlorophenol	ND		ug/L	125	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/04/2023 14:44	KH
85-01-8	Phenanthrene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH
129-00-0	Pyrene	ND		ug/L	25.0	500	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/04/2023 14:44	KH

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	1.12		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/25/2023 19:33	07/27/2023 13:25	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	85.4 %		36.6-118						

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	9.41		ng/L	0.491	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	21.9		ng/L	0.366	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:00 pm

Date Received
07/25/2023

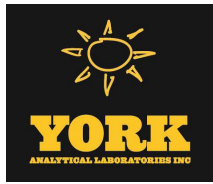
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	13.1		ng/L	0.742	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.711	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	30.9		ng/L	0.439	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.857	1.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	3.35		ng/L	0.544	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.784	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.18	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.920	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.774	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.722	2.09	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.826	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.08	2.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	35.1		ng/L	0.241	4.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.920	2.09	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.952	2.00	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.38	2.02	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.11	7.95	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.14	8.03	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.345	8.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.523	3.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	2.24	4.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.261	4.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:00 pm

Date Received

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.387	4.18	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.795	1.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.87	7.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.38	8.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.44	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.732	7.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
919005-14-4	ADONA	ND		ng/L	0.554	7.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 19:52	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.973	2.03	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.899	2.01	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.12	5.23	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.67	26.1	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.90	26.1	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.17	20.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.65	2.09	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.17	20.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.88	2.09	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 19:52	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	116 %
Surrogate: M5PFHxA	199 %
Surrogate: M4PFHpA	118 %
Surrogate: M3PFHxS	121 %
Surrogate: Perfluoro-n-[13C8]octanoic aci	172 %
Surrogate: M6PFDA	115 %
Surrogate: M7PFUdA	102 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	87.4 %
Surrogate: M2PFTeDA	71.8 %
Surrogate: Perfluoro-n-[13C4]butanoic aci	2.65 %



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:00 pm

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfo	163 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	47.6 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	164 %			10-150						
	Surrogate: d3-N-MeFOSAA	226 %			25-150						
	Surrogate: d5-N-EtFOSAA	217 %			25-150						
	Surrogate: M2-6:2 FTS	418 %			25-200						
	Surrogate: M2-8:2 FTS	239 %			25-200						
	Surrogate: M9PFNA	160 %			25-150						
	Surrogate: M2-4:2 FTS	469 %			25-150						
	Surrogate: d-N-MeFOSA	82.1 %			25-150						
	Surrogate: d-N-EtFOSA	72.8 %			25-150						
	Surrogate: M3HFPO-DA	141 %			25-150						
	Surrogate: d9-N-EtFOSE	125 %			25-150						
	Surrogate: d7-N-MeFOSE	134 %			25-150						

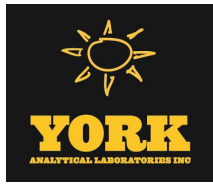
PEST, 8081 MASTER

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
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
72-55-9	4,4'-DDE	ND	P	ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
60-57-1	Dieldrin [2C]	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:00 pm

Date Received

07/25/2023

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 11:57	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B Certifications:	08/01/2023 08:02	08/02/2023 11:57	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	95.7 %	30-150							

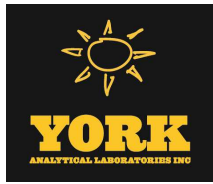
PCB, 8082 MASTER

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

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July 25, 2023 12:00 pm

Date Received

07/25/2023

PCB, 8082 MASTER

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
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 08:02	08/02/2023 12:48	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	08/01/2023 08:02	08/02/2023 12:48	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	65.0 %		30-120						

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:31	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:31	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:31	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	53.4 %		30-150						

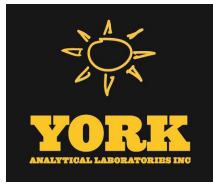
Metals, Target Analyte, ICP

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	0.184		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-39-3	Barium	0.838		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-70-2	Calcium	237		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7439-89-6	Iron	47.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7439-92-1	Lead	0.0169		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

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July 25, 2023 12:00 pm

Date Received

07/25/2023

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	211		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7439-96-5	Manganese	1.87		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-09-7	Potassium	80.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-23-5	Sodium	939		mg/L	2.78	5	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/02/2023 11:56	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:42	CW

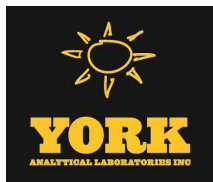
Metals, Target Analyte, ICP Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-39-3	Barium	0.727		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-70-2	Calcium	232		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-47-3	Chromium	0.00605		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7439-89-6	Iron	1.18		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7439-95-4	Magnesium	211		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7439-96-5	Manganese	2.30		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.
23G1449

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100964201

Matrix
Water

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July 25, 2023 12:00 pm

Date Received
07/25/2023

Metals, Target Analyte, ICP Dissolved

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
7440-09-7	Potassium	77.3	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-23-5	Sodium	2080		mg/L	5.56	10	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/02/2023 12:15	CEG
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 08:44	08/01/2023 21:00	CEG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:28	cw
7440-38-2	Arsenic	0.00317		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:28	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:28	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:28	cw
7782-49-2	Selenium	0.00495		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:28	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:28	cw

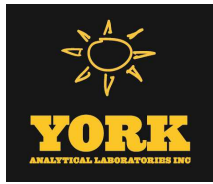
Metals, Target Analyte, ICPMS Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:06	cw
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:06	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:06	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:06	cw
7782-49-2	Selenium	0.00641		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:06	cw



Sample Information

Client Sample ID: MW03_072523

York Sample ID: 23G1449-04

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:00 pm

Date Received

07/25/2023

Metals, Target Analyte, ICPMS Dissolved

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
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:06	cw

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:46	08/01/2023 08:46	PA

Mercury, Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 09:01	08/01/2023 09:01	PA

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 20:56	07/25/2023 23:15	SL

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 Certifications:	08/02/2023 07:17	08/02/2023 17:27	PAM

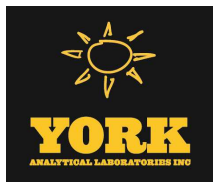
Cyanide, Total

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-2016 / E-2016 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 14:33	08/01/2023 22:39	SL



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2023 06:55	08/02/2023 23:25	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

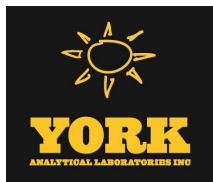
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
594-20-7	2,2-Dichloropropane	ND	ICVE	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
67-64-1	Acetone	1.66	CCVE	ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
75-27-4	Bromodichloromethane	ND	QL-02	ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
67-66-3	Chloroform	1.08		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

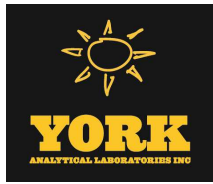
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE, QL-02	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
98-82-8	Isopropylbenzene	6.91		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	22.0		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-87-2	Methylcyclohexane	0.880		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
104-51-8	n-Butylbenzene	5.25		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
103-65-1	n-Propylbenzene	10.1		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
135-98-8	sec-Butylbenzene	8.76		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-65-0	tert-Butyl alcohol (TBA)	4.80	CCVE, ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
98-06-6	tert-Butylbenzene	0.750		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2023 06:55	08/02/2023 23:25	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/02/2023 06:55	08/02/2023 23:25	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2023 06:55	08/02/2023 23:25	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.9 %	79-122								

SVOA, 8270 LOW MASTER

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

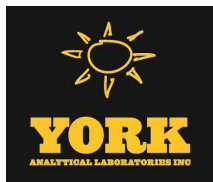
SVOA, 8270 LOW MASTER

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
91-57-6	2-Methylnaphthalene	38.1		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

SVOA, 8270 LOW MASTER

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	CCVE	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
100-02-7	4-Nitrophenol	ND	CCVE	ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

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	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 22:47	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	26.5 %			19.7-63.1						
13127-88-3	Surrogate: SURR: Phenol-d6	13.8 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.5 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.7 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	91.9 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	69.6 %			30.7-106						

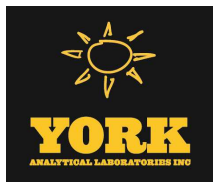
SVOA, 8270 SIM MASTER

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	0.944		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
208-96-8	Acenaphthylene	0.605		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

SVOA, 8270 SIM MASTER

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	0.0718		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
86-73-7	Fluorene	1.50		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
91-20-3	Naphthalene	5.12	B	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/03/2023 02:33	KH
85-01-8	Phenanthrene	1.78		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH
129-00-0	Pyrene	0.113		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/03/2023 02:33	KH

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	5.38		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	07/25/2023 19:33	07/27/2023 14:05	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	82.7 %					36.6-118			

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	5.58		ng/L	0.479	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	11.3		ng/L	0.356	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	9.28		ng/L	0.723	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.02	J	ng/L	0.692	1.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	37.3		ng/L	0.428	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.835	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	3.31		ng/L	0.529	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.764	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.896	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.753	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.703	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.804	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	15.4		ng/L	0.234	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.896	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.927	1.94	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.97	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.09	7.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	13.9		ng/L	0.336	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.509	3.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.18	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.255	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.377	4.07	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.774	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.82	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.29	8.15	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.41	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.713	7.62	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
919005-14-4	ADONA	ND		ng/L	0.540	7.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:04	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.947	1.98	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.876	1.95	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.07	5.09	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.46	25.5	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.64	25.5	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.06	20.4	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.61	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.06	20.4	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.83	2.04	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:04	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS 124 %
Surrogate: M5PFHxA 203 %
Surrogate: M4PFHpA 128 %
Surrogate: M3PFHxS 146 %
Surrogate: Perfluoro-n-[13C8]octanoic acid 156 %
Surrogate: M6PFDA 128 %
Surrogate: M7PFUdA 106 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan 95.0 %
Surrogate: M2PFTeDA 70.4 %
Surrogate: Perfluoro-n-[13C4]butanoic acid 46.1 %

25-150
25-150
25-150
25-150
25-150
25-150
25-150
25-150
10-150
25-150



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfo	171 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	176 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	154 %			10-150						
	Surrogate: d3-N-MeFOSAA	158 %			25-150						
	Surrogate: d5-N-EtFOSAA	181 %			25-150						
	Surrogate: M2-6:2 FTS	312 %			25-200						
	Surrogate: M2-8:2 FTS	168 %			25-200						
	Surrogate: M9PFNA	98.2 %			25-150						
	Surrogate: M2-4:2 FTS	493 %			25-150						
	Surrogate: d-N-MeFOSA	83.9 %			25-150						
	Surrogate: d-N-EtFOSA	64.4 %			25-150						
	Surrogate: M3HFPO-DA	144 %			25-150						
	Surrogate: d9-N-EtFOSE	116 %			25-150						
	Surrogate: d7-N-MeFOSE	121 %			25-150						

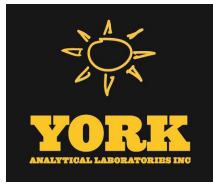
PEST, 8081 MASTER

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
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
50-29-3	4,4'-DDT	0.00887		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
5103-71-9	alpha-Chlordane [2C]	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:30 am

Date Received

07/25/2023

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
5566-34-7	gamma-Chlordane [2C]	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
76-44-8	Heptachlor	0.0472		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:15	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.205	1	EPA 8081B Certifications:	08/01/2023 13:11	08/02/2023 13:15	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	91.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.1 %	30-150							

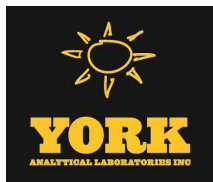
PCB, 8082 MASTER

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

PCB, 8082 MASTER

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
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 14:25	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	08/01/2023 13:11	08/02/2023 14:25	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	174 %	S-GC, S-08							

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:42	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:42	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:42	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	50.6 %								

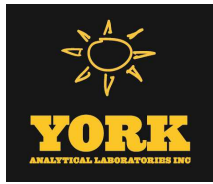
Metals, Target Analyte, ICP

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	0.277		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-39-3	Barium	1.42		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-70-2	Calcium	329		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7439-89-6	Iron	52.5		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7439-92-1	Lead	0.0138		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 9:30 am

07/25/2023

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	87.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7439-96-5	Manganese	4.57		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-09-7	Potassium	41.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-23-5	Sodium	651		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:45	CW

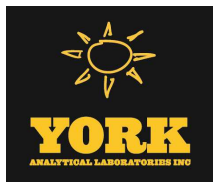
Metals, Target Analyte, ICP Dissolved

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	0.199		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-39-3	Barium	0.936		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-70-2	Calcium	329		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7439-95-4	Magnesium	88.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7439-96-5	Manganese	4.35		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 9:30 am

Date Received
07/25/2023

Metals, Target Analyte, ICP Dissolved

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
7440-09-7	Potassium	41.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-23-5	Sodium	626		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:27	08/02/2023 14:05	CW

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:38	cw
7440-38-2	Arsenic	0.00686		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:38	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:38	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:38	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:38	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:38	cw

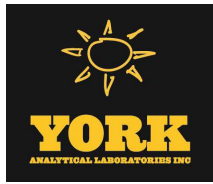
Metals, Target Analyte, ICPMS Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:09	cw
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:09	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:09	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:09	cw
7782-49-2	Selenium	0.00258		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:09	cw



Sample Information

Client Sample ID: MW04_072523

York Sample ID: 23G1449-05

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 9:30 am

Date Received

07/25/2023

Metals, Target Analyte, ICPMS Dissolved

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
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:32	08/01/2023 15:09	cw

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:46	08/01/2023 08:46	PA

Mercury, Dissolved

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 09:01	08/01/2023 09:01	PA

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 20:56	07/25/2023 23:15	SL

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 Certifications:	08/02/2023 07:17	08/02/2023 17:27	PAM

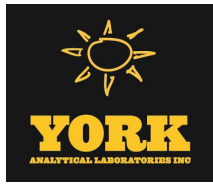
Cyanide, Total

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-2016 / E-2014 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 14:33	08/01/2023 22:39	SL



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/29/2023 06:03	07/30/2023 08:31	JTG
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE	ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
120-82-1	1,2,4-Trichlorobenzene	ND	CCVE	ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

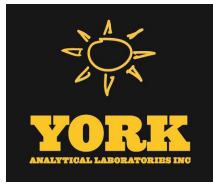
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
594-20-7	2,2-Dichloropropane	ND	ICVE, QL-02	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
74-83-9	Bromomethane	ND		ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
67-66-3	Chloroform	0.700		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

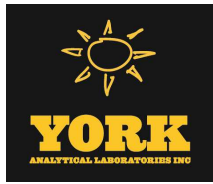
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
110-82-7	Cyclohexane	ND	ICVE, QL-02	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
87-68-3	Hexachlorobutadiene	ND	CCVE	ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/29/2023 06:03	07/30/2023 08:31	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	07/29/2023 06:03	07/30/2023 08:31	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	07/29/2023 06:03	07/30/2023 08:31	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.1 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %	79-122								

SVOA, 8270 LOW MASTER

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
105-67-9	2,4-Dimethylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

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	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
65-85-0	Benzoic acid	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
105-60-2	Caprolactam	ND	QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

SVOA, 8270 LOW MASTER

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	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 13:20	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	19.0 %	S-08	19.7-63.1							
13127-88-3	Surrogate: SURR: Phenol-d6	9.00 %	S-08	10.1-41.7							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	33.6 %	S-08	50.2-113							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	36.1 %	S-08	39.9-105							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	52.1 %		39.3-151							
1718-51-0	Surrogate: SURR: Terphenyl-d14	48.6 %		30.7-106							

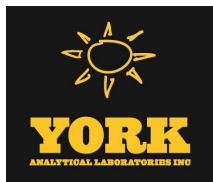
SVOA, 8270 SIM MASTER

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	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

SVOA, 8270 SIM MASTER

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	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
86-73-7	Fluorene	0.141		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
91-20-3	Naphthalene	0.0541	B	ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
62-75-9	N-Nitrosodimethylamine	ND	QL-02	ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	07/29/2023 08:18	08/01/2023 12:19	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH
129-00-0	Pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/29/2023 08:18	08/01/2023 12:19	KH

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	07/25/2023 19:33	07/27/2023 14:22	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	89.0 %					36.6-118			

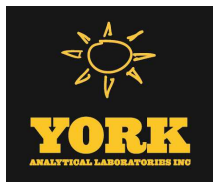
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.468	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.348	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 12:30 pm

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.707	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.677	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.418	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.816	1.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.518	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.747	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.12	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.876	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.737	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.687	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.786	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.03	1.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.229	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.876	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.906	1.90	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.31	1.92	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.06	7.56	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.04	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.328	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.498	3.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.13	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.249	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.368	3.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.756	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.78	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.22	7.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.37	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.697	7.45	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
919005-14-4	ADONA	ND		ng/L	0.528	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:16	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.926	1.93	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.856	1.91	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.02	4.98	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.30	24.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.43	24.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.57	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.97	19.9	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.79	1.99	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:16	ESJ

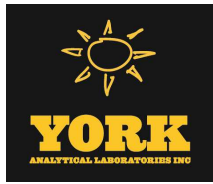
Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS 148 %
Surrogate: M5PFHxA 165 %
Surrogate: M4PFHpA 183 %
Surrogate: M3PFHxS 164 %
Surrogate: Perfluoro-n-[13C8]octanoic aci 127 %
Surrogate: M6PFDA 135 %
Surrogate: M7PFUdA 122 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan 103 %
Surrogate: M2PFTeDA 85.5 %
Surrogate: Perfluoro-n-[13C4]butanoic aci 0.953 %

25-150
25-150
25-150
25-150
25-150
25-150
25-150
25-150
10-150
25-150



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfo	139 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	43.4 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	151 %			10-150						
	Surrogate: d3-N-MeFOSAA	113 %			25-150						
	Surrogate: d5-N-EtFOSAA	129 %			25-150						
	Surrogate: M2-6:2 FTS	170 %			25-200						
	Surrogate: M2-8:2 FTS	160 %			25-200						
	Surrogate: M9PFNA	138 %			25-150						
	Surrogate: M2-4:2 FTS	134 %			25-150						
	Surrogate: d-N-MeFOSA	96.7 %			25-150						
	Surrogate: d-N-EtFOSA	86.4 %			25-150						
	Surrogate: M3HFPO-DA	165 %			25-150						
	Surrogate: d9-N-EtFOSE	79.9 %			25-150						
	Surrogate: d7-N-MeFOSE	93.9 %			25-150						

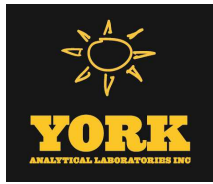
PEST, 8081 MASTER

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
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:33	BCJ
57-74-9	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B Certifications:	08/01/2023 13:11	08/02/2023 13:33	BCJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	81.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.0 %	30-150							

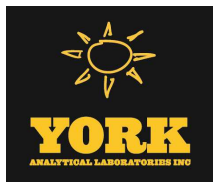
PCB, 8082 MASTER

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:30 pm

Date Received
07/25/2023

PCB, 8082 MASTER

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
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 13:11	08/02/2023 13:16	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	08/01/2023 13:11	08/02/2023 13:16	BCJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	48.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	90.5 %								

HERB, 8151 MASTER

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:52	BCJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:52	BCJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/26/2023 16:08	07/29/2023 14:52	BCJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	76.0 %								

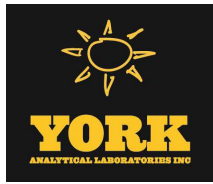
Metals, Target Analyte, ICP

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-70-2	Calcium	0.153		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-09-7	Potassium	0.0779		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-23-5	Sodium	1.06		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:08	08/01/2023 17:48	CW

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:42	cw
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:42	cw
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:42	cw
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:42	cw
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:42	cw
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/31/2023 09:24	07/31/2023 17:42	cw

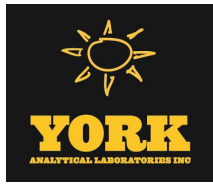
Mercury by 7470/7471

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	08/01/2023 08:46	08/01/2023 08:46	PA



Sample Information

Client Sample ID: FB01_072523

York Sample ID: 23G1449-06

York Project (SDG) No.

23G1449

Client Project ID

100964201

Matrix

Water

Collection Date/Time

July 25, 2023 12:30 pm

Date Received

07/25/2023

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	07/25/2023 20:56	07/25/2023 23:15	SL

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/02/2023 07:17	08/02/2023 17:27	PAM

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-2016 / E-2016 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	08/01/2023 14:33	08/01/2023 22:39	SL



Sample Information

Client Sample ID: TB01_072523

York Sample ID: 23G1449-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 2:20 pm

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	0.216	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2023 06:59	08/02/2023 04:11	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG



Sample Information

Client Sample ID: TB01_072523

York Sample ID: 23G1449-07

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 2:20 pm

Date Received
07/25/2023

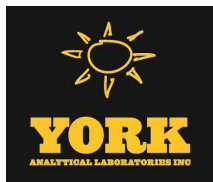
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by 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	35.3	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
594-20-7	2,2-Dichloropropane	ND	CCVE, ICVE, QL-02	ug/L	0.466	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.320	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.365	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
107-02-8	Acrolein	ND	CCVE	ug/L	0.447	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-25-2	Bromoform	ND	CCVE, QL-02	ug/L	0.163	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
74-83-9	Bromomethane	ND	CCVE	ug/L	0.119	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG



Sample Information

Client Sample ID: TB01_072523

York Sample ID: 23G1449-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23G1449

100964201

Water

July 25, 2023 2:20 pm

07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND	QL-02	ug/L	0.262	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
110-82-7	Cyclohexane	ND	QL-02, ICVE	ug/L	0.491	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
75-09-2	Methylene chloride	0.660		ug/L	0.397	2.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	ICVE	ug/L	0.608	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG



Sample Information

Client Sample ID: TB01_072523

York Sample ID: 23G1449-07

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 2:20 pm

Date Received
07/25/2023

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.239	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND	CCVE, QL-02	ug/L	0.229	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2023 06:59	08/02/2023 04:11	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/01/2023 06:59	08/02/2023 04:11	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.836	1.50	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2023 06:59	08/02/2023 04:11	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.4 %	79-122								



Sample Information

Client Sample ID: EB01_072523

York Sample ID: 23G1449-08

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:45 pm

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.472	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.352	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.714	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.684	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.422	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.824	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.523	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.754	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.14	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.885	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.744	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.694	2.01	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.794	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.04	2.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.231	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.885	2.01	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.915	1.92	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.33	1.94	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.07	7.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.06	7.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.332	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ



Sample Information

Client Sample ID: EB01_072523

York Sample ID: 23G1449-08

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:45 pm

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.503	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.15	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.251	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.372	4.02	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.764	1.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.80	7.54	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.25	8.04	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.39	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.704	7.52	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
919005-14-4	ADONA	ND		ng/L	0.533	7.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/01/2023 08:52	08/02/2023 20:29	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.935	1.95	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.864	1.93	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	2.04	5.03	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.37	25.1	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.52	25.1	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.59	2.01	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.01	20.1	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.81	2.01	1	EPA 1633 Draft 3 Certifications:	08/01/2023 08:52	08/02/2023 20:29	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		166 %	25-150								
Surrogate: M5PFHxA		178 %	25-150								
Surrogate: M4PFHpA		187 %	25-150								
Surrogate: M3PFHxS		181 %	25-150								



Sample Information

Client Sample ID: EB01_072523

York Sample ID: 23G1449-08

York Project (SDG) No.
23G1449

Client Project ID
100964201

Matrix
Water

Collection Date/Time
July 25, 2023 12:45 pm

Date Received
07/25/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic aci	134 %			25-150						
	Surrogate: M6PFDA	112 %			25-150						
	Surrogate: M7PFUdA	104 %			25-150						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	78.8 %			25-150						
	Surrogate: M2PFTeDA	55.9 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	1.17 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	142 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	86.4 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfo	127 %			10-150						
	Surrogate: d3-N-MeFOSAA	101 %			25-150						
	Surrogate: d5-N-EtFOSAA	110 %			25-150						
	Surrogate: M2-6:2 FTS	181 %			25-200						
	Surrogate: M2-8:2 FTS	189 %			25-200						
	Surrogate: M9PFNA	136 %			25-150						
	Surrogate: M2-4:2 FTS	161 %			25-150						
	Surrogate: d-N-MeFOSA	95.0 %			25-150						
	Surrogate: d-N-EtFOSA	53.0 %			25-150						
	Surrogate: M3HFPO-DA	162 %			25-150						
	Surrogate: d9-N-EtFOSE	57.8 %			25-150						
	Surrogate: d7-N-MeFOSE	73.2 %			25-150						



Analytical Batch Summary

Batch ID: BG31438

Preparation Method: EPA 3535A

Prepared By: THD

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/25/23
23G1449-02	MW02_072523	07/25/23
23G1449-03	DUP01_072523	07/25/23
23G1449-04	MW03_072523	07/25/23
23G1449-05	MW04_072523	07/25/23
23G1449-06	FB01_072523	07/25/23
BG31438-BLK1	Blank	07/25/23
BG31438-BS1	LCS	07/25/23
BG31438-MS1	Matrix Spike	07/25/23
BG31438-MSD1	Matrix Spike Dup	07/25/23

Batch ID: BG31439

Preparation Method: Analysis Preparation

Prepared By: SMK

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/25/23
23G1449-02	MW02_072523	07/25/23
23G1449-03	DUP01_072523	07/25/23
23G1449-04	MW03_072523	07/25/23
23G1449-05	MW04_072523	07/25/23
23G1449-06	FB01_072523	07/25/23
BG31439-BLK1	Blank	07/25/23
BG31439-BS1	LCS	07/25/23
BG31439-DUP1	Duplicate	07/25/23
BG31439-MS1	Matrix Spike	07/25/23
BG31439-MSD1	Matrix Spike Dup	07/25/23

Batch ID: BG31518

Preparation Method: EPA 8151A

Prepared By: SCB

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/26/23
23G1449-02	MW02_072523	07/26/23
23G1449-03	DUP01_072523	07/26/23
23G1449-04	MW03_072523	07/26/23
23G1449-05	MW04_072523	07/26/23
23G1449-06	FB01_072523	07/26/23
BG31518-BLK1	Blank	07/26/23
BG31518-BS1	LCS	07/26/23
BG31518-BSD1	LCS Dup	07/26/23
BG31518-MS1	Matrix Spike	07/26/23
BG31518-MSD1	Matrix Spike Dup	07/26/23

Batch ID: BG31686

Preparation Method: EPA 3510C

Prepared By: JG

YORK Sample ID	Client Sample ID	Preparation Date



23G1449-01	MW01_072523	07/29/23
23G1449-02	MW02_072523	07/29/23
23G1449-03	DUP01_072523	07/29/23
23G1449-04	MW03_072523	07/29/23
23G1449-05	MW04_072523	07/29/23
23G1449-06	FB01_072523	07/29/23
BG31686-BLK1	Blank	07/29/23
BG31686-BLK2	Blank	07/29/23
BG31686-BS1	LCS	07/29/23
BG31686-BS2	LCS	07/29/23
BG31686-BSD1	LCS Dup	07/29/23

Batch ID: BG31751 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/31/23
23G1449-02	MW02_072523	07/31/23
BG31751-BLK1	Blank	07/31/23
BG31751-BS1	LCS	07/31/23
BG31751-DUP1	Duplicate	07/31/23
BG31751-MS1	Matrix Spike	07/31/23

Batch ID: BG31755 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/31/23
23G1449-02	MW02_072523	07/31/23
23G1449-03	DUP01_072523	07/31/23
23G1449-04	MW03_072523	07/31/23
23G1449-04RE1	MW03_072523	07/31/23
BG31755-BLK1	Blank	07/31/23
BG31755-BS1	LCS	07/31/23
BG31755-DUP1	Duplicate	07/31/23
BG31755-MS1	Matrix Spike	07/31/23
BG31755-PS1	Post Spike	07/31/23

Batch ID: BG31756 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/31/23
BG31756-BLK1	Blank	07/31/23
BG31756-BS1	LCS	07/31/23
BG31756-DUP1	Duplicate	07/31/23
BG31756-MS1	Matrix Spike	07/31/23

Batch ID: BG31759 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	07/31/23



23G1449-02	MW02_072523	07/31/23
23G1449-03	DUP01_072523	07/31/23
23G1449-04	MW03_072523	07/31/23
23G1449-04RE1	MW03_072523	07/31/23
23G1449-05	MW04_072523	07/31/23
23G1449-06	FB01_072523	07/31/23
BG31759-BLK1	Blank	07/31/23
BG31759-BS1	LCS	07/31/23
BG31759-DUP1	Duplicate	07/31/23
BG31759-MS1	Matrix Spike	07/31/23
BG31759-PS1	Post Spike	07/31/23

Batch ID: BG31762 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-03	DUP01_072523	07/31/23
23G1449-04	MW03_072523	07/31/23
23G1449-05	MW04_072523	07/31/23
23G1449-06	FB01_072523	07/31/23
BG31762-BLK1	Blank	07/31/23
BG31762-BS1	LCS	07/31/23
BG31762-DUP1	Duplicate	07/31/23
BG31762-MS1	Matrix Spike	07/31/23

Batch ID: BG31763 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-05	MW04_072523	07/31/23
BG31763-BLK1	Blank	07/31/23
BG31763-BS1	LCS	07/31/23
BG31763-DUP1	Duplicate	07/31/23
BG31763-MS1	Matrix Spike	07/31/23
BG31763-PS1	Post Spike	07/31/23

Batch ID: BG31764 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-02	MW02_072523	07/31/23
23G1449-03	DUP01_072523	07/31/23
23G1449-04	MW03_072523	07/31/23
23G1449-05	MW04_072523	07/31/23
BG31764-BLK1	Blank	07/31/23
BG31764-BS1	LCS	07/31/23
BG31764-DUP1	Duplicate	07/31/23
BG31764-MS1	Matrix Spike	07/31/23

Batch ID: BG31809 **Preparation Method:** EPA 3510C **Prepared By:** VMM

YORK Sample ID	Client Sample ID	Preparation Date



23G1449-01	MW01_072523	08/01/23
23G1449-01	MW01_072523	08/01/23
23G1449-02	MW02_072523	08/01/23
23G1449-02	MW02_072523	08/01/23
23G1449-03	DUP01_072523	08/01/23
23G1449-03	DUP01_072523	08/01/23
23G1449-04	MW03_072523	08/01/23
23G1449-04	MW03_072523	08/01/23
BG31809-BLK1	Blank	08/01/23
BG31809-BLK2	Blank	08/01/23
BG31809-BS1	LCS	08/01/23
BG31809-BS2	LCS	08/01/23
BG31809-BSD1	LCS Dup	08/01/23
BG31809-BSD2	LCS Dup	08/01/23
BG31809-MS1	Matrix Spike	08/01/23
BG31809-MSD1	Matrix Spike Dup	08/01/23

Batch ID: BG31810 **Preparation Method:** EPA 3510C **Prepared By:** JJG

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-05	MW04_072523	08/01/23
23G1449-05	MW04_072523	08/01/23
23G1449-06	FB01_072523	08/01/23
23G1449-06	FB01_072523	08/01/23
BG31810-BLK1	Blank	08/01/23
BG31810-BLK2	Blank	08/01/23
BG31810-BS1	LCS	08/01/23
BG31810-BS2	LCS	08/01/23
BG31810-BSD1	LCS Dup	08/01/23
BG31810-BSD2	LCS Dup	08/01/23

Batch ID: BH30017 **Preparation Method:** EPA SW846-7470A **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	08/01/23
23G1449-02	MW02_072523	08/01/23
23G1449-03	DUP01_072523	08/01/23
23G1449-04	MW03_072523	08/01/23
23G1449-05	MW04_072523	08/01/23
23G1449-06	FB01_072523	08/01/23
BH30017-BLK1	Blank	08/01/23
BH30017-BS1	LCS	08/01/23
BH30017-DUP1	Duplicate	08/01/23
BH30017-MS1	Matrix Spike	08/01/23
BH30017-MSD1	Matrix Spike Dup	08/01/23

Batch ID: BH30021 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	08/01/23



23G1449-02	MW02_072523	08/01/23
23G1449-03	DUP01_072523	08/01/23
23G1449-04	MW03_072523	08/01/23
23G1449-05	MW04_072523	08/01/23
23G1449-06	FB01_072523	08/01/23
23G1449-08	EB01_072523	08/01/23
BH30021-BLK1	Blank	08/01/23
BH30021-BS1	LCS	08/01/23
BH30021-BS2	LCS	08/01/23
BH30021-DUP1	Duplicate	08/01/23

Batch ID: BH30027 **Preparation Method:** EPA SW846-7470A **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	08/01/23
23G1449-02	MW02_072523	08/01/23
23G1449-03	DUP01_072523	08/01/23
23G1449-04	MW03_072523	08/01/23
23G1449-05	MW04_072523	08/01/23
BH30027-BLK1	Blank	08/01/23
BH30027-BS1	LCS	08/01/23
BH30027-DUP1	Duplicate	08/01/23
BH30027-MS1	Matrix Spike	08/01/23
BH30027-MSD1	Matrix Spike Dup	08/01/23

Batch ID: BH30053 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	08/01/23
23G1449-02	MW02_072523	08/01/23
23G1449-03	DUP01_072523	08/01/23
23G1449-04	MW03_072523	08/01/23
23G1449-05	MW04_072523	08/01/23
23G1449-06	FB01_072523	08/01/23
BH30053-BLK1	Blank	08/01/23
BH30053-BS1	LCS	08/01/23
BH30053-DUP1	Duplicate	08/01/23
BH30053-MS1	Matrix Spike	08/01/23
BH30053-MSD1	Matrix Spike Dup	08/01/23

Batch ID: BH30084 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	08/02/23
23G1449-02	MW02_072523	08/02/23
23G1449-03	DUP01_072523	08/02/23
23G1449-04	MW03_072523	08/02/23
23G1449-05	MW04_072523	08/02/23
23G1449-06	FB01_072523	08/02/23



Batch ID: BH30196

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-06	FB01_072523	07/29/23
BH30196-BLK1	Blank	07/29/23
BH30196-BS1	LCS	07/29/23
BH30196-BSD1	LCS Dup	07/29/23
BH30196-MS1	Matrix Spike	07/29/23
BH30196-MSD1	Matrix Spike Dup	07/29/23

Batch ID: BH30197

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01RE1	MW01_072523	08/01/23
23G1449-07	TB01_072523	08/01/23
BH30197-BLK1	Blank	08/01/23
BH30197-BS1	LCS	08/01/23
BH30197-BSD1	LCS Dup	08/01/23

Batch ID: BH30198

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-01	MW01_072523	08/02/23
23G1449-02	MW02_072523	08/02/23
23G1449-05	MW04_072523	08/02/23
BH30198-BLK1	Blank	08/02/23
BH30198-BS1	LCS	08/02/23
BH30198-BSD1	LCS Dup	08/02/23

Batch ID: BH30199

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
23G1449-03	DUP01_072523	08/03/23
23G1449-04	MW03_072523	08/03/23
BH30199-BLK1	Blank	08/03/23
BH30199-BS1	LCS	08/03/23
BH30199-BSD1	LCS Dup	08/03/23



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30196 - EPA 5030B											
Blank (BH30196-BLK1)	Blank	Prepared: 07/29/2023 Analyzed: 07/30/2023									
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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30196 - EPA 5030B

Blank (BH30196-BLK1)	Blank		Prepared: 07/29/2023 Analyzed: 07/30/2023								
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methyleyclohexane	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	9.48		"	10.0		94.8	69-130				
Surrogate: SURR: Toluene-d8	9.95		"	10.0		99.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.89		"	10.0		98.9	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result		Limits		Limit		
Batch BH30196 - EPA 5030B											
LCS (BH30196-BS1)	LCS			Prepared: 07/29/2023 Analyzed: 07/30/2023							
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	9.78		"	10.0		97.8	78-136				
1,1,2,2-Tetrachloroethane	9.84		"	10.0		98.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	54-165				
1,1,2-Trichloroethane	9.75		"	10.0		97.5	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	68-138				
1,1-Dichloropropylene	9.84		"	10.0		98.4	83-133				
1,2,3-Trichlorobenzene	8.47		"	10.0		84.7	76-136				
1,2,3-Trichloropropane	9.60		"	10.0		96.0	77-128				
1,2,4-Trichlorobenzene	8.57		"	10.0		85.7	76-137				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	8.73		"	10.0		87.3	45-147				
1,2-Dibromoethane	9.66		"	10.0		96.6	83-124				
1,2-Dichlorobenzene	9.73		"	10.0		97.3	79-123				
1,2-Dichloroethane	9.67		"	10.0		96.7	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	9.76		"	10.0		97.6	86-122				
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125				
1,4-Dichlorobenzene	9.51		"	10.0		95.1	85-124				
1,4-Dioxane	222		"	210		106	10-349				
2,2-Dichloropropane	4.85		"	10.0		48.5	56-150	Low Bias			
2-Butanone	9.31		"	10.0		93.1	49-152				
2-Chlorotoluene	10.1		"	10.0		101	79-130				
2-Hexanone	8.74		"	10.0		87.4	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
4-Methyl-2-pentanone	8.49		"	10.0		84.9	57-145				
Acetone	9.15		"	10.0		91.5	14-150				
Acrolein	12.3		"	10.0		123	10-153				
Acrylonitrile	9.23		"	10.0		92.3	51-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	9.88		"	10.0		98.8	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.39		"	10.0		93.9	79-128				
Bromoform	8.98		"	10.0		89.8	78-133				
Bromomethane	8.28		"	10.0		82.8	43-168				
Carbon disulfide	9.47		"	10.0		94.7	68-146				
Carbon tetrachloride	9.99		"	10.0		99.9	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	9.26		"	10.0		92.6	65-136				
Chloroform	9.90		"	10.0		99.0	82-128				
Chloromethane	9.35		"	10.0		93.5	43-155				
cis-1,2-Dichloroethylene	9.69		"	10.0		96.9	83-129				
cis-1,3-Dichloropropylene	8.86		"	10.0		88.6	80-131				
Cyclohexane	4.74		"	10.0		47.4	63-149	Low Bias			
Dibromochloromethane	9.47		"	10.0		94.7	80-130				
Dibromomethane	9.53		"	10.0		95.3	72-134				
Dichlorodifluoromethane	7.71		"	10.0		77.1	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	7.79		"	10.0		77.9	67-146				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30196 - EPA 5030B

LCS (BH30196-BS1)	LCS	Prepared: 07/29/2023 Analyzed: 07/30/2023									
Isopropylbenzene	10.3	ug/L	10.0	103	76-140						
Methyl acetate	7.94	"	10.0	79.4	51-139						
Methyl tert-butyl ether (MTBE)	9.48	"	10.0	94.8	76-135						
Methylcyclohexane	9.33	"	10.0	93.3	72-143						
Methylene chloride	9.88	"	10.0	98.8	55-137						
n-Butylbenzene	9.27	"	10.0	92.7	79-132						
n-Propylbenzene	9.99	"	10.0	99.9	78-133						
o-Xylene	10.4	"	10.0	104	78-130						
p- & m- Xylenes	21.3	"	20.0	107	77-133						
p-Isopropyltoluene	9.76	"	10.0	97.6	81-136						
sec-Butylbenzene	9.59	"	10.0	95.9	79-137						
Styrene	10.4	"	10.0	104	67-132						
tert-Butyl alcohol (TBA)	35.9	"	50.0	71.9	25-162						
tert-Butylbenzene	8.48	"	10.0	84.8	77-138						
Tetrachloroethylene	9.81	"	10.0	98.1	82-131						
Toluene	10.5	"	10.0	105	80-127						
trans-1,2-Dichloroethylene	10.4	"	10.0	104	80-132						
trans-1,3-Dichloropropylene	8.46	"	10.0	84.6	78-131						
Trichloroethylene	10.0	"	10.0	100	82-128						
Trichlorofluoromethane	9.47	"	10.0	94.7	67-139						
Vinyl acetate	13.1	"	10.0	131	21-90	High Bias					
Vinyl Chloride	9.27	"	10.0	92.7	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	9.56	"	10.0	95.6	69-130						
Surrogate: SURR: Toluene-d8	9.91	"	10.0	99.1	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.98	"	10.0	99.8	79-122						

LCS Dup (BH30196-BSD1)	LCS Dup	Prepared: 07/29/2023 Analyzed: 07/30/2023									
1,1,1,2-Tetrachloroethane	9.96	ug/L	10.0	99.6	82-126	0.601	30				
1,1,1-Trichloroethane	9.45	"	10.0	94.5	78-136	3.43	30				
1,1,2,2-Tetrachloroethane	10.1	"	10.0	101	76-129	2.51	30				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.66	"	10.0	96.6	54-165	3.36	30				
1,1,2-Trichloroethane	9.60	"	10.0	96.0	82-123	1.55	30				
1,1-Dichloroethane	9.80	"	10.0	98.0	82-129	2.72	30				
1,1-Dichloroethylene	9.88	"	10.0	98.8	68-138	4.55	30				
1,1-Dichloropropylene	9.44	"	10.0	94.4	83-133	4.15	30				
1,2,3-Trichlorobenzene	9.63	"	10.0	96.3	76-136	12.8	30				
1,2,3-Trichloropropane	9.69	"	10.0	96.9	77-128	0.933	30				
1,2,4-Trichlorobenzene	9.77	"	10.0	97.7	76-137	13.1	30				
1,2,4-Trimethylbenzene	10.7	"	10.0	107	82-132	3.73	30				
1,2-Dibromo-3-chloropropane	9.52	"	10.0	95.2	45-147	8.66	30				
1,2-Dibromoethane	9.61	"	10.0	96.1	83-124	0.519	30				
1,2-Dichlorobenzene	10.4	"	10.0	104	79-123	6.66	30				
1,2-Dichloroethane	9.57	"	10.0	95.7	73-132	1.04	30				
1,2-Dichloropropane	10.5	"	10.0	105	78-126	0.568	30				
1,3,5-Trimethylbenzene	11.0	"	10.0	110	80-131	3.70	30				
1,3-Dichlorobenzene	10.5	"	10.0	105	86-122	6.92	30				
1,3-Dichloropropane	9.53	"	10.0	95.3	81-125	0.419	30				
1,4-Dichlorobenzene	10.2	"	10.0	102	85-124	6.90	30				
1,4-Dioxane	233	"	210	111	10-349	4.98	30				
2,2-Dichloropropane	4.88	"	10.0	48.8	56-150	0.617	30	Low Bias			
2-Butanone	9.29	"	10.0	92.9	49-152	0.215	30				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BH30196 - EPA 5030B

LCS Dup (BH30196-BSD1) LCS Dup		Prepared: 07/29/2023 Analyzed: 07/30/2023									
2-Chlorotoluene	10.4		ug/L	10.0		104	79-130		3.41	30	
2-Hexanone	8.72		"	10.0		87.2	51-146		0.229	30	
4-Chlorotoluene	10.7		"	10.0		107	79-128		3.53	30	
4-Methyl-2-pentanone	8.60		"	10.0		86.0	57-145		1.29	30	
Acetone	9.19		"	10.0		91.9	14-150		0.436	30	
Acrolein	11.8		"	10.0		118	10-153		4.41	30	
Acrylonitrile	9.53		"	10.0		95.3	51-150		3.20	30	
Benzene	10.5		"	10.0		105	85-126		2.53	30	
Bromobenzene	10.2		"	10.0		102	78-129		2.70	30	
Bromochloromethane	10.0		"	10.0		100	77-128		0.795	30	
Bromodichloromethane	9.36		"	10.0		93.6	79-128		0.320	30	
Bromoform	8.99		"	10.0		89.9	78-133		0.111	30	
Bromomethane	7.55		"	10.0		75.5	43-168		9.22	30	
Carbon disulfide	9.59		"	10.0		95.9	68-146		1.26	30	
Carbon tetrachloride	9.55		"	10.0		95.5	77-141		4.50	30	
Chlorobenzene	10.4		"	10.0		104	88-120		0.481	30	
Chloroethane	9.16		"	10.0		91.6	65-136		1.09	30	
Chloroform	9.68		"	10.0		96.8	82-128		2.25	30	
Chloromethane	9.14		"	10.0		91.4	43-155		2.27	30	
cis-1,2-Dichloroethylene	9.43		"	10.0		94.3	83-129		2.72	30	
cis-1,3-Dichloropropylene	8.79		"	10.0		87.9	80-131		0.793	30	
Cyclohexane	4.66		"	10.0		46.6	63-149	Low Bias	1.70	30	
Dibromochloromethane	9.38		"	10.0		93.8	80-130		0.955	30	
Dibromomethane	9.50		"	10.0		95.0	72-134		0.315	30	
Dichlorodifluoromethane	7.39		"	10.0		73.9	44-144		4.24	30	
Ethyl Benzene	10.7		"	10.0		107	80-131		0.00	30	
Hexachlorobutadiene	8.53		"	10.0		85.3	67-146		9.07	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		2.21	30	
Methyl acetate	8.09		"	10.0		80.9	51-139		1.87	30	
Methyl tert-butyl ether (MTBE)	9.45		"	10.0		94.5	76-135		0.317	30	
Methylcyclohexane	9.57		"	10.0		95.7	72-143		2.54	30	
Methylene chloride	9.79		"	10.0		97.9	55-137		0.915	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		9.46	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		2.96	30	
o-Xylene	10.5		"	10.0		105	78-130		0.287	30	
p- & m- Xylenes	21.5		"	20.0		107	77-133		0.794	30	
p-Isopropyltoluene	10.5		"	10.0		105	81-136		7.50	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		5.87	30	
Styrene	10.5		"	10.0		105	67-132		0.575	30	
tert-Butyl alcohol (TBA)	35.9		"	50.0		71.7	25-162		0.195	30	
tert-Butylbenzene	8.90		"	10.0		89.0	77-138		4.83	30	
Tetrachloroethylene	9.68		"	10.0		96.8	82-131		1.33	30	
Toluene	10.4		"	10.0		104	80-127		1.25	30	
trans-1,2-Dichloroethylene	9.98		"	10.0		99.8	80-132		3.64	30	
trans-1,3-Dichloropropylene	8.50		"	10.0		85.0	78-131		0.472	30	
Trichloroethylene	9.78		"	10.0		97.8	82-128		2.32	30	
Trichlorofluoromethane	8.99		"	10.0		89.9	67-139		5.20	30	
Vinyl acetate	13.0		"	10.0		130	21-90	High Bias	1.30	30	
Vinyl Chloride	8.92		"	10.0		89.2	58-145		3.85	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.38		"	10.0		93.8	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30196 - EPA 5030B

LCS Dup (BH30196-BSD1) LCS Dup

Prepared: 07/29/2023 Analyzed: 07/30/2023

Surrogate: SURR: p-Bromofluorobenzene 10.1 ug/L 10.0 101 79-122

Matrix Spike (BH30196-MS1) Matrix Spike *Source sample: 23G1416-01 (Matrix Spike)

Prepared: 07/29/2023 Analyzed: 07/30/2023

1,1,1,2-Tetrachloroethane	8.23	ug/L	10.0	0.00	82.3	45-161	
1,1,1-Trichloroethane	8.90	"	10.0	0.00	89.0	70-146	
1,1,2,2-Tetrachloroethane	8.31	"	10.0	0.00	83.1	74-121	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34	"	10.0	0.00	93.4	21-217	
1,1,2-Trichloroethane	8.14	"	10.0	0.00	81.4	59-146	
1,1-Dichloroethane	8.90	"	10.0	0.00	89.0	54-146	
1,1-Dichloroethylene	9.50	"	10.0	0.00	95.0	44-165	
1,1-Dichloropropylene	9.07	"	10.0	0.00	90.7	82-134	
1,2,3-Trichlorobenzene	8.14	"	10.0	0.00	81.4	40-161	
1,2,3-Trichloropropane	8.11	"	10.0	0.00	81.1	74-127	
1,2,4-Trichlorobenzene	8.34	"	10.0	0.00	83.4	41-161	
1,2,4-Trimethylbenzene	14.1	"	10.0	2.54	115	72-129	
1,2-Dibromo-3-chloropropane	8.34	"	10.0	0.00	83.4	31-151	
1,2-Dibromoethane	8.15	"	10.0	0.00	81.5	75-125	
1,2-Dichlorobenzene	8.98	"	10.0	0.00	89.8	63-122	
1,2-Dichloroethane	8.39	"	10.0	0.00	83.9	68-131	
1,2-Dichloropropane	8.76	"	10.0	0.00	87.6	77-121	
1,3,5-Trimethylbenzene	11.4	"	10.0	1.09	103	69-126	
1,3-Dichlorobenzene	9.25	"	10.0	0.00	92.5	74-119	
1,3-Dichloropropane	7.95	"	10.0	0.00	79.5	77-119	
1,4-Dichlorobenzene	9.00	"	10.0	0.00	90.0	70-124	
1,4-Dioxane	133	"	210	0.00	63.3	10-310	
2,2-Dichloropropane	2.13	"	10.0	0.00	21.3	10-160	
2-Butanone	8.76	"	10.0	0.510	82.5	10-193	
2-Chlorotoluene	10.0	"	10.0	0.00	100	70-126	
2-Hexanone	7.07	"	10.0	0.00	70.7	53-133	
4-Chlorotoluene	9.63	"	10.0	0.00	96.3	69-124	
4-Methyl-2-pentanone	7.06	"	10.0	0.00	70.6	38-150	
Acetone	10.2	"	10.0	1.81	83.7	13-149	
Acrolein	4.70	"	10.0	0.00	47.0	10-195	
Acrylonitrile	7.88	"	10.0	0.00	78.8	37-165	
Benzene	10.1	"	10.0	0.630	94.3	38-155	
Bromobenzene	8.63	"	10.0	0.00	86.3	72-122	
Bromochloromethane	8.72	"	10.0	0.00	87.2	75-121	
Bromodichloromethane	7.56	"	10.0	0.00	75.6	70-129	
Bromoform	6.99	"	10.0	0.00	69.9	66-136	
Bromomethane	7.79	"	10.0	0.00	77.9	30-158	
Carbon disulfide	8.82	"	10.0	0.180	86.4	10-138	
Carbon tetrachloride	8.92	"	10.0	0.00	89.2	71-146	
Chlorobenzene	8.68	"	10.0	0.00	86.8	81-117	
Chloroethane	8.22	"	10.0	0.00	82.2	51-145	
Chloroform	10.3	"	10.0	1.55	87.5	80-124	
Chloromethane	8.41	"	10.0	0.00	84.1	16-163	
cis-1,2-Dichloroethylene	8.25	"	10.0	0.00	82.5	76-125	
cis-1,3-Dichloropropylene	6.63	"	10.0	0.00	66.3	58-131	
Cyclohexane	4.49	"	10.0	0.00	44.9	70-130	Low Bias
Dibromochloromethane	7.69	"	10.0	0.00	76.9	71-129	
Dibromomethane	7.81	"	10.0	0.00	78.1	76-120	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30196 - EPA 5030B

Matrix Spike (BH30196-MS1)	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)					Prepared: 07/29/2023 Analyzed: 07/30/2023				
Dichlorodifluoromethane	6.78		ug/L	10.0	0.00	67.8	30-147				
Ethyl Benzene	11.8		"	10.0	0.690	112	72-128				
Hexachlorobutadiene	7.21		"	10.0	0.00	72.1	34-166				
Isopropylbenzene	10.2		"	10.0	0.310	99.1	66-139				
Methyl acetate	4.35		"	10.0	0.00	43.5	10-200				
Methyl tert-butyl ether (MTBE)	8.09		"	10.0	0.00	80.9	75-128				
Methylcyclohexane	8.89		"	10.0	0.00	88.9	70-130				
Methylene chloride	8.80		"	10.0	0.00	88.0	57-128				
n-Butylbenzene	9.54		"	10.0	0.00	95.4	61-138				
n-Propylbenzene	9.83		"	10.0	0.180	96.5	66-134				
o-Xylene	12.4		"	10.0	2.13	102	69-126				
p- & m- Xylenes	23.9		"	20.0	3.25	103	67-130				
p-Isopropyltoluene	9.76		"	10.0	0.180	95.8	64-137				
sec-Butylbenzene	9.46		"	10.0	0.00	94.6	53-155				
Styrene	3.02		"	10.0	0.00	30.2	69-125	Low Bias			
tert-Butyl alcohol (TBA)	30.5		"	50.0	1.57	57.8	10-130				
tert-Butylbenzene	8.12		"	10.0	0.00	81.2	65-139				
Tetrachloroethylene	8.75		"	10.0	0.00	87.5	64-139				
Toluene	9.73		"	10.0	0.500	92.3	76-123				
trans-1,2-Dichloroethylene	9.39		"	10.0	0.00	93.9	79-131				
trans-1,3-Dichloropropylene	6.23		"	10.0	0.00	62.3	55-130				
Trichloroethylene	8.71		"	10.0	0.00	87.1	53-145				
Trichlorofluoromethane	8.72		"	10.0	0.00	87.2	61-142				
Vinyl acetate	5.76		"	10.0	0.00	57.6	10-87				
Vinyl Chloride	8.31		"	10.0	0.00	83.1	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.53		"	10.0		95.3	69-130				
Surrogate: SURR: Toluene-d8	9.64		"	10.0		96.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.81		"	10.0		98.1	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30196 - EPA 5030B											
Matrix Spike Dup (BH30196-1)				Matrix Spike Dup				Source sample: 23G1416-01 (Matrix Spike Dup)			
								Prepared: 07/29/2023 Analyzed: 07/30/2023			
1,1,1,2-Tetrachloroethane	7.67		ug/L	10.0	0.00	76.7	45-161		7.04	30	
1,1,1-Trichloroethane	8.02		"	10.0	0.00	80.2	70-146		10.4	30	
1,1,2,2-Tetrachloroethane	7.49		"	10.0	0.00	74.9	74-121		10.4	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.96		"	10.0	0.00	79.6	21-217		16.0	30	
1,1,2-Trichloroethane	7.42		"	10.0	0.00	74.2	59-146		9.25	30	
1,1-Dichloroethane	8.07		"	10.0	0.00	80.7	54-146		9.78	30	
1,1-Dichloroethylene	8.41		"	10.0	0.00	84.1	44-165		12.2	30	
1,1-Dichloropropylene	8.12		"	10.0	0.00	81.2	82-134	Low Bias	11.1	30	
1,2,3-Trichlorobenzene	7.04		"	10.0	0.00	70.4	40-161		14.5	30	
1,2,3-Trichloropropane	7.33		"	10.0	0.00	73.3	74-127	Low Bias	10.1	30	
1,2,4-Trichlorobenzene	7.16		"	10.0	0.00	71.6	41-161		15.2	30	
1,2,4-Trimethylbenzene	14.7		"	10.0	2.54	121	72-129		4.11	30	
1,2-Dibromo-3-chloropropane	7.17		"	10.0	0.00	71.7	31-151		15.1	30	
1,2-Dibromoethane	7.58		"	10.0	0.00	75.8	75-125		7.25	30	
1,2-Dichlorobenzene	8.00		"	10.0	0.00	80.0	63-122		11.5	30	
1,2-Dichloroethane	7.56		"	10.0	0.00	75.6	68-131		10.4	30	
1,2-Dichloropropane	8.35		"	10.0	0.00	83.5	77-121		4.79	30	
1,3,5-Trimethylbenzene	10.7		"	10.0	1.09	95.7	69-126		6.71	30	
1,3-Dichlorobenzene	8.06		"	10.0	0.00	80.6	74-119		13.7	30	
1,3-Dichloropropane	7.48		"	10.0	0.00	74.8	77-119	Low Bias	6.09	30	
1,4-Dichlorobenzene	7.74		"	10.0	0.00	77.4	70-124		15.1	30	
1,4-Dioxane	158		"	210	0.00	75.2	10-310		17.2	30	
2,2-Dichloropropane	2.08		"	10.0	0.00	20.8	10-160		2.38	30	
2-Butanone	7.80		"	10.0	0.510	72.9	10-193		11.6	30	
2-Chlorotoluene	9.00		"	10.0	0.00	90.0	70-126		10.8	30	
2-Hexanone	6.47		"	10.0	0.00	64.7	53-133		8.86	30	
4-Chlorotoluene	8.45		"	10.0	0.00	84.5	69-124		13.1	30	
4-Methyl-2-pentanone	6.56		"	10.0	0.00	65.6	38-150		7.34	30	
Acetone	9.36		"	10.0	1.81	75.5	13-149		8.39	30	
Acrolein	4.32		"	10.0	0.00	43.2	10-195		8.43	30	
Acrylonitrile	6.94		"	10.0	0.00	69.4	37-165		12.7	30	
Benzene	9.42		"	10.0	0.630	87.9	38-155		6.57	30	
Bromobenzene	7.68		"	10.0	0.00	76.8	72-122		11.6	30	
Bromochloromethane	7.88		"	10.0	0.00	78.8	75-121		10.1	30	
Bromodichloromethane	7.07		"	10.0	0.00	70.7	70-129		6.70	30	
Bromoform	6.53		"	10.0	0.00	65.3	66-136	Low Bias	6.80	30	
Bromomethane	7.38		"	10.0	0.00	73.8	30-158		5.41	30	
Carbon disulfide	8.02		"	10.0	0.180	78.4	10-138		9.50	30	
Carbon tetrachloride	8.14		"	10.0	0.00	81.4	71-146		9.14	30	
Chlorobenzene	8.22		"	10.0	0.00	82.2	81-117		5.44	30	
Chloroethane	7.49		"	10.0	0.00	74.9	51-145		9.29	30	
Chloroform	9.59		"	10.0	1.55	80.4	80-124		7.14	30	
Chloromethane	7.55		"	10.0	0.00	75.5	16-163		10.8	30	
cis-1,2-Dichloroethylene	7.52		"	10.0	0.00	75.2	76-125	Low Bias	9.26	30	
cis-1,3-Dichloropropylene	6.21		"	10.0	0.00	62.1	58-131		6.54	30	
Cyclohexane	4.02		"	10.0	0.00	40.2	70-130	Low Bias	11.0	30	
Dibromochloromethane	7.13		"	10.0	0.00	71.3	71-129		7.56	30	
Dibromomethane	7.33		"	10.0	0.00	73.3	76-120	Low Bias	6.34	30	
Dichlorodifluoromethane	5.95		"	10.0	0.00	59.5	30-147		13.0	30	
Ethyl Benzene	13.8		"	10.0	0.690	131	72-128	High Bias	15.4	30	
Hexachlorobutadiene	5.94		"	10.0	0.00	59.4	34-166		19.3	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30196 - EPA 5030B

Matrix Spike Dup (BH30196-1)				Source sample: 23G1416-01 (Matrix Spike Dup)				Prepared: 07/29/2023 Analyzed: 07/30/2023			
Isopropylbenzene	9.08		ug/L	10.0	0.310	87.7	66-139		11.8	30	
Methyl acetate	3.89		"	10.0	0.00	38.9	10-200		11.2	30	
Methyl tert-butyl ether (MTBE)	7.20		"	10.0	0.00	72.0	75-128	Low Bias	11.6	30	
Methylcyclohexane	7.81		"	10.0	0.00	78.1	70-130		12.9	30	
Methylene chloride	7.87		"	10.0	0.00	78.7	57-128		11.2	30	
n-Butylbenzene	7.92		"	10.0	0.00	79.2	61-138		18.6	30	
n-Propylbenzene	8.68		"	10.0	0.180	85.0	66-134		12.4	30	
o-Xylene	13.6		"	10.0	2.13	114	69-126		9.24	30	
p- & m- Xylenes	25.9		"	20.0	3.25	113	67-130		7.90	30	
p-Isopropyltoluene	8.36		"	10.0	0.180	81.8	64-137		15.5	30	
sec-Butylbenzene	8.13		"	10.0	0.00	81.3	53-155		15.1	30	
Styrene	3.37		"	10.0	0.00	33.7	69-125	Low Bias	11.0	30	
tert-Butyl alcohol (TBA)	26.1		"	50.0	1.57	49.1	10-130		15.5	30	
tert-Butylbenzene	7.07		"	10.0	0.00	70.7	65-139		13.8	30	
Tetrachloroethylene	8.02		"	10.0	0.00	80.2	64-139		8.71	30	
Toluene	9.58		"	10.0	0.500	90.8	76-123		1.55	30	
trans-1,2-Dichloroethylene	8.39		"	10.0	0.00	83.9	79-131		11.2	30	
trans-1,3-Dichloropropylene	5.79		"	10.0	0.00	57.9	55-130		7.32	30	
Trichloroethylene	8.19		"	10.0	0.00	81.9	53-145		6.15	30	
Trichlorofluoromethane	7.61		"	10.0	0.00	76.1	61-142		13.6	30	
Vinyl acetate	5.64		"	10.0	0.00	56.4	10-87		2.11	30	
Vinyl Chloride	7.45		"	10.0	0.00	74.5	31-165		10.9	30	
Surrogate: SURR: 1,2-Dichloroethane-d4				10.0		94.5	69-130				
Surrogate: SURR: Toluene-d8				10.0		99.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene				10.0		97.9	79-122				

Batch BH30197 - EPA 5030B

Blank (BH30197-BLK1)		Blank		Prepared: 08/01/2023 Analyzed: 08/02/2023							
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30197 - EPA 5030B

Blank (BH30197-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
2,2-Dichloropropane	ND	0.500	ug/L								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30197 - EPA 5030B

Blank (BH30197-BLK1) Blank Prepared: 08/01/2023 Analyzed: 08/02/2023

Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.61		"	10.0		96.1	79-122				

LCS (BH30197-BS1) LCS Prepared: 08/01/2023 Analyzed: 08/02/2023

1,1,1,2-Tetrachloroethane	9.36		ug/L	10.0		93.6	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	8.69		"	10.0		86.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	8.79		"	10.0		87.9	82-123				
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	10.0		"	10.0		100	83-133				
1,2,3-Trichlorobenzene	8.77		"	10.0		87.7	76-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	8.87		"	10.0		88.7	76-137				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	7.06		"	10.0		70.6	45-147				
1,2-Dibromoethane	8.73		"	10.0		87.3	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	9.10		"	10.0		91.0	78-126				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	8.52		"	10.0		85.2	81-125				
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124				
1,4-Dioxane	180		"	210		85.8	10-349				
2,2-Dichloropropane	5.84		"	10.0		58.4	56-150				
2-Butanone	8.39		"	10.0		83.9	49-152				
2-Chlorotoluene	10.0		"	10.0		100	79-130				
2-Hexanone	6.71		"	10.0		67.1	51-146				
4-Chlorotoluene	10.2		"	10.0		102	79-128				
4-Methyl-2-pentanone	6.59		"	10.0		65.9	57-145				
Acetone	8.21		"	10.0		82.1	14-150				
Acrolein	8.01		"	10.0		80.1	10-153				
Acrylonitrile	8.03		"	10.0		80.3	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	9.11		"	10.0		91.1	78-129				
Bromochloromethane	9.87		"	10.0		98.7	77-128				
Bromodichloromethane	8.34		"	10.0		83.4	79-128				
Bromoform	6.94		"	10.0		69.4	78-133	Low Bias			
Bromomethane	8.34		"	10.0		83.4	43-168				
Carbon disulfide	9.63		"	10.0		96.3	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	9.87		"	10.0		98.7	88-120				
Chloroethane	11.4		"	10.0		114	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	10.9		"	10.0		109	43-155				
cis-1,2-Dichloroethylene	9.86		"	10.0		98.6	83-129				
cis-1,3-Dichloropropylene	7.57		"	10.0		75.7	80-131	Low Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30197 - EPA 5030B

LCS (BH30197-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Cyclohexane	4.82		ug/L	10.0		48.2	63-149	Low Bias			
Dibromochloromethane	8.37		"	10.0		83.7	80-130				
Dibromomethane	8.68		"	10.0		86.8	72-134				
Dichlorodifluoromethane	14.6		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	7.78		"	10.0		77.8	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	8.06		"	10.0		80.6	51-139				
Methyl tert-butyl ether (MTBE)	8.19		"	10.0		81.9	76-135				
Methyleyclohexane	9.31		"	10.0		93.1	72-143				
Methylene chloride	10.1		"	10.0		101	55-137				
n-Butylbenzene	9.92		"	10.0		99.2	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.5		"	20.0		103	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.86		"	10.0		98.6	79-137				
Styrene	9.83		"	10.0		98.3	67-132				
tert-Butyl alcohol (TBA)	21.5		"	50.0		43.0	25-162				
tert-Butylbenzene	8.62		"	10.0		86.2	77-138				
Tetrachloroethylene	9.84		"	10.0		98.4	82-131				
Toluene	9.82		"	10.0		98.2	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	7.05		"	10.0		70.5	78-131	Low Bias			
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	14.4		"	10.0		144	67-139	High Bias			
Vinyl acetate	9.25		"	10.0		92.5	21-90	High Bias			
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.65		"	10.0		96.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30197 - EPA 5030B											
LCS Dup (BH30197-BSD1)	LCS Dup		Prepared: 08/01/2023 Analyzed: 08/02/2023								
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		0.107	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		6.08	30	
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6	76-129		3.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		5.11	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		1.03	30	
1,1-Dichloroethane	9.63		"	10.0		96.3	82-129		2.46	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		3.48	30	
1,1-Dichloropropylene	9.57		"	10.0		95.7	83-133		4.89	30	
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	76-136		0.795	30	
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128		0.875	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	76-137		1.34	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.782	30	
1,2-Dibromo-3-chloropropane	7.38		"	10.0		73.8	45-147		4.43	30	
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124		0.229	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.299	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		3.93	30	
1,2-Dichloropropane	9.21		"	10.0		92.1	78-126		1.20	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		1.34	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		0.696	30	
1,3-Dichloropropane	8.56		"	10.0		85.6	81-125		0.468	30	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124		0.304	30	
1,4-Dioxane	187		"	210		89.0	10-349		3.70	30	
2,2-Dichloropropane	5.38		"	10.0		53.8	56-150	Low Bias	8.20	30	
2-Butanone	8.41		"	10.0		84.1	49-152		0.238	30	
2-Chlorotoluene	9.93		"	10.0		99.3	79-130		0.702	30	
2-Hexanone	6.58		"	10.0		65.8	51-146		1.96	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		0.887	30	
4-Methyl-2-pentanone	6.67		"	10.0		66.7	57-145		1.21	30	
Acetone	8.27		"	10.0		82.7	14-150		0.728	30	
Acrolein	8.30		"	10.0		83.0	10-153		3.56	30	
Acrylonitrile	8.16		"	10.0		81.6	51-150		1.61	30	
Benzene	10.3		"	10.0		103	85-126		1.25	30	
Bromobenzene	9.22		"	10.0		92.2	78-129		1.20	30	
Bromochloromethane	9.85		"	10.0		98.5	77-128		0.203	30	
Bromodichloromethane	8.16		"	10.0		81.6	79-128		2.18	30	
Bromoform	6.91		"	10.0		69.1	78-133	Low Bias	0.433	30	
Bromomethane	8.80		"	10.0		88.0	43-168		5.37	30	
Carbon disulfide	9.40		"	10.0		94.0	68-146		2.42	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		5.83	30	
Chlorobenzene	9.83		"	10.0		98.3	88-120		0.406	30	
Chloroethane	11.2		"	10.0		112	65-136		1.78	30	
Chloroform	9.99		"	10.0		99.9	82-128		3.06	30	
Chloromethane	11.0		"	10.0		110	43-155		1.00	30	
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	83-129		3.09	30	
cis-1,3-Dichloropropylene	7.55		"	10.0		75.5	80-131	Low Bias	0.265	30	
Cyclohexane	4.58		"	10.0		45.8	63-149	Low Bias	5.11	30	
Dibromochloromethane	8.25		"	10.0		82.5	80-130		1.44	30	
Dibromomethane	8.72		"	10.0		87.2	72-134		0.460	30	
Dichlorodifluoromethane	14.0		"	10.0		140	44-144		4.40	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		2.37	30	
Hexachlorobutadiene	7.40		"	10.0		74.0	67-146		5.01	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30197 - EPA 5030B

LCS Dup (BH30197-BSD1)	LCS Dup	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Isopropylbenzene	9.90	ug/L	10.0	99.0	76-140	1.20	30				
Methyl acetate	7.88	"	10.0	78.8	51-139	2.26	30				
Methyl tert-butyl ether (MTBE)	8.26	"	10.0	82.6	76-135	0.851	30				
Methylcyclohexane	8.94	"	10.0	89.4	72-143	4.05	30				
Methylene chloride	9.89	"	10.0	98.9	55-137	1.80	30				
n-Butylbenzene	9.70	"	10.0	97.0	79-132	2.24	30				
n-Propylbenzene	9.76	"	10.0	97.6	78-133	2.53	30				
o-Xylene	9.73	"	10.0	97.3	78-130	2.74	30				
p- & m- Xylenes	20.1	"	20.0	100	77-133	2.12	30				
p-Isopropyltoluene	10.2	"	10.0	102	81-136	0.195	30				
sec-Butylbenzene	9.71	"	10.0	97.1	79-137	1.53	30				
Styrene	9.63	"	10.0	96.3	67-132	2.06	30				
tert-Butyl alcohol (TBA)	22.3	"	50.0	44.5	25-162	3.52	30				
tert-Butylbenzene	8.57	"	10.0	85.7	77-138	0.582	30				
Tetrachloroethylene	9.25	"	10.0	92.5	82-131	6.18	30				
Toluene	9.59	"	10.0	95.9	80-127	2.37	30				
trans-1,2-Dichloroethylene	10.0	"	10.0	100	80-132	3.34	30				
trans-1,3-Dichloropropylene	6.92	"	10.0	69.2	78-131	1.86	30	Low Bias			
Trichloroethylene	9.23	"	10.0	92.3	82-128	2.67	30				
Trichlorofluoromethane	13.6	"	10.0	136	67-139	5.85	30				
Vinyl acetate	9.16	"	10.0	91.6	21-90	0.978	30	High Bias			
Vinyl Chloride	11.4	"	10.0	114	58-145	3.04	30				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.93	"	10.0	99.3	69-130						
Surrogate: SURR: Toluene-d8	9.77	"	10.0	97.7	81-117						
Surrogate: SURR: p-Bromofluorobenzene	10.0	"	10.0	100	79-122						

Batch BH30198 - EPA 5030B

Blank (BH30198-BLK1)	Blank	Prepared & Analyzed: 08/02/2023									
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30198 - EPA 5030B

Blank (BH30198-BLK1)	Blank	Prepared & Analyzed: 08/02/2023									
2,2-Dichloropropane	ND	0.500	ug/L								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30198 - EPA 5030B

Blank (BH30198-BLK1)	Blank	Prepared & Analyzed: 08/02/2023									
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.45		"	10.0		94.5	69-130				
Surrogate: SURR: Toluene-d8	9.75		"	10.0		97.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.02		"	10.0		90.2	79-122				

LCS (BH30198-BS1)	LCS	Prepared & Analyzed: 08/02/2023									
1,1,1,2-Tetrachloroethane	8.71		ug/L	10.0		87.1	82-126				
1,1,1-Trichloroethane	8.46		"	10.0		84.6	78-136				
1,1,2,2-Tetrachloroethane	9.40		"	10.0		94.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165				
1,1,2-Trichloroethane	8.83		"	10.0		88.3	82-123				
1,1-Dichloroethane	9.04		"	10.0		90.4	82-129				
1,1-Dichloroethylene	9.39		"	10.0		93.9	68-138				
1,1-Dichloropropylene	9.13		"	10.0		91.3	83-133				
1,2,3-Trichlorobenzene	8.64		"	10.0		86.4	76-136				
1,2,3-Trichloropropane	9.21		"	10.0		92.1	77-128				
1,2,4-Trichlorobenzene	8.77		"	10.0		87.7	76-137				
1,2,4-Trimethylbenzene	9.71		"	10.0		97.1	82-132				
1,2-Dibromo-3-chloropropane	7.33		"	10.0		73.3	45-147				
1,2-Dibromoethane	8.83		"	10.0		88.3	83-124				
1,2-Dichlorobenzene	9.60		"	10.0		96.0	79-123				
1,2-Dichloroethane	8.74		"	10.0		87.4	73-132				
1,2-Dichloropropane	8.96		"	10.0		89.6	78-126				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131				
1,3-Dichlorobenzene	9.55		"	10.0		95.5	86-122				
1,3-Dichloropropane	8.47		"	10.0		84.7	81-125				
1,4-Dichlorobenzene	9.43		"	10.0		94.3	85-124				
1,4-Dioxane	205		"	210		97.6	10-349				
2,2-Dichloropropane	9.18		"	10.0		91.8	56-150				
2-Butanone	9.22		"	10.0		92.2	49-152				
2-Chlorotoluene	9.29		"	10.0		92.9	79-130				
2-Hexanone	7.08		"	10.0		70.8	51-146				
4-Chlorotoluene	9.56		"	10.0		95.6	79-128				
4-Methyl-2-pentanone	6.98		"	10.0		69.8	57-145				
Acetone	7.13		"	10.0		71.3	14-150				
Acrolein	9.09		"	10.0		90.9	10-153				
Acrylonitrile	8.94		"	10.0		89.4	51-150				
Benzene	10.1		"	10.0		101	85-126				
Bromobenzene	8.97		"	10.0		89.7	78-129				
Bromochloromethane	9.39		"	10.0		93.9	77-128				
Bromodichloromethane	7.58		"	10.0		75.8	79-128		Low Bias		
Bromoform	6.99		"	10.0		69.9	78-133		Low Bias		
Bromomethane	7.36		"	10.0		73.6	43-168				
Carbon disulfide	8.86		"	10.0		88.6	68-146				
Carbon tetrachloride	8.79		"	10.0		87.9	77-141				
Chlorobenzene	9.49		"	10.0		94.9	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	8.97		"	10.0		89.7	82-128				
Chloromethane	9.63		"	10.0		96.3	43-155				
cis-1,2-Dichloroethylene	9.34		"	10.0		93.4	83-129				
cis-1,3-Dichloropropylene	8.06		"	10.0		80.6	80-131				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30198 - EPA 5030B

LCS (BH30198-BS1)	LCS	Prepared & Analyzed: 08/02/2023									
Cyclohexane	4.54	ug/L	10.0	45.4	63-149	Low Bias					
Dibromochloromethane	8.04	"	10.0	80.4	80-130						
Dibromomethane	8.54	"	10.0	85.4	72-134						
Dichlorodifluoromethane	10.7	"	10.0	107	44-144						
Ethyl Benzene	9.52	"	10.0	95.2	80-131						
Hexachlorobutadiene	7.01	"	10.0	70.1	67-146						
Isopropylbenzene	9.53	"	10.0	95.3	76-140						
Methyl acetate	9.38	"	10.0	93.8	51-139						
Methyl tert-butyl ether (MTBE)	8.27	"	10.0	82.7	76-135						
Methyleyclohexane	9.00	"	10.0	90.0	72-143						
Methylene chloride	9.26	"	10.0	92.6	55-137						
n-Butylbenzene	9.12	"	10.0	91.2	79-132						
n-Propylbenzene	9.42	"	10.0	94.2	78-133						
o-Xylene	9.26	"	10.0	92.6	78-130						
p- & m- Xylenes	19.0	"	20.0	94.8	77-133						
p-Isopropyltoluene	9.83	"	10.0	98.3	81-136						
sec-Butylbenzene	9.37	"	10.0	93.7	79-137						
Styrene	9.38	"	10.0	93.8	67-132						
tert-Butyl alcohol (TBA)	24.7	"	50.0	49.4	25-162						
tert-Butylbenzene	8.15	"	10.0	81.5	77-138						
Tetrachloroethylene	8.95	"	10.0	89.5	82-131						
Toluene	9.35	"	10.0	93.5	80-127						
trans-1,2-Dichloroethylene	9.35	"	10.0	93.5	80-132						
trans-1,3-Dichloropropylene	7.41	"	10.0	74.1	78-131	Low Bias					
Trichloroethylene	8.64	"	10.0	86.4	82-128						
Trichlorofluoromethane	10.5	"	10.0	105	67-139						
Vinyl acetate	11.3	"	10.0	113	21-90	High Bias					
Vinyl Chloride	10.2	"	10.0	102	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	9.19	"	10.0	91.9	69-130						
Surrogate: SURR: Toluene-d8	9.70	"	10.0	97.0	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.76	"	10.0	97.6	79-122						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30198 - EPA 5030B											
LCS Dup (BH30198-BS01)		LCS Dup		Prepared & Analyzed: 08/02/2023							
1,1,1,2-Tetrachloroethane	9.01		ug/L	10.0		90.1	82-126		3.39	30	
1,1,1-Trichloroethane	8.92		"	10.0		89.2	78-136		5.29	30	
1,1,2,2-Tetrachloroethane	9.36		"	10.0		93.6	76-129		0.426	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		6.02	30	
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123		2.79	30	
1,1-Dichloroethane	9.50		"	10.0		95.0	82-129		4.96	30	
1,1-Dichloroethylene	9.90		"	10.0		99.0	68-138		5.29	30	
1,1-Dichloropropylene	9.63		"	10.0		96.3	83-133		5.33	30	
1,2,3-Trichlorobenzene	8.06		"	10.0		80.6	76-136		6.95	30	
1,2,3-Trichloropropane	9.02		"	10.0		90.2	77-128		2.08	30	
1,2,4-Trichlorobenzene	8.31		"	10.0		83.1	76-137		5.39	30	
1,2,4-Trimethylbenzene	9.64		"	10.0		96.4	82-132		0.724	30	
1,2-Dibromo-3-chloropropane	6.98		"	10.0		69.8	45-147		4.89	30	
1,2-Dibromoethane	9.22		"	10.0		92.2	83-124		4.32	30	
1,2-Dichlorobenzene	9.60		"	10.0		96.0	79-123		0.00	30	
1,2-Dichloroethane	9.18		"	10.0		91.8	73-132		4.91	30	
1,2-Dichloropropane	9.36		"	10.0		93.6	78-126		4.37	30	
1,3,5-Trimethylbenzene	9.94		"	10.0		99.4	80-131		0.602	30	
1,3-Dichlorobenzene	9.64		"	10.0		96.4	86-122		0.938	30	
1,3-Dichloropropane	8.81		"	10.0		88.1	81-125		3.94	30	
1,4-Dichlorobenzene	9.47		"	10.0		94.7	85-124		0.423	30	
1,4-Dioxane	172		"	210		82.0	10-349		17.4	30	
2,2-Dichloropropane	9.13		"	10.0		91.3	56-150		0.546	30	
2-Butanone	9.26		"	10.0		92.6	49-152		0.433	30	
2-Chlorotoluene	9.35		"	10.0		93.5	79-130		0.644	30	
2-Hexanone	7.52		"	10.0		75.2	51-146		6.03	30	
4-Chlorotoluene	9.49		"	10.0		94.9	79-128		0.735	30	
4-Methyl-2-pentanone	7.43		"	10.0		74.3	57-145		6.25	30	
Acetone	6.94		"	10.0		69.4	14-150		2.70	30	
Acrolein	9.53		"	10.0		95.3	10-153		4.73	30	
Acrylonitrile	8.69		"	10.0		86.9	51-150		2.84	30	
Benzene	10.6		"	10.0		106	85-126		4.53	30	
Bromobenzene	8.94		"	10.0		89.4	78-129		0.335	30	
Bromochloromethane	9.89		"	10.0		98.9	77-128		5.19	30	
Bromodichloromethane	7.78		"	10.0		77.8	79-128	Low Bias	2.60	30	
Bromoform	7.06		"	10.0		70.6	78-133	Low Bias	0.996	30	
Bromomethane	6.70		"	10.0		67.0	43-168		9.39	30	
Carbon disulfide	9.23		"	10.0		92.3	68-146		4.09	30	
Carbon tetrachloride	9.19		"	10.0		91.9	77-141		4.45	30	
Chlorobenzene	9.79		"	10.0		97.9	88-120		3.11	30	
Chloroethane	10.4		"	10.0		104	65-136		1.94	30	
Chloroform	9.48		"	10.0		94.8	82-128		5.53	30	
Chloromethane	9.84		"	10.0		98.4	43-155		2.16	30	
cis-1,2-Dichloroethylene	9.76		"	10.0		97.6	83-129		4.40	30	
cis-1,3-Dichloropropylene	8.31		"	10.0		83.1	80-131		3.05	30	
Cyclohexane	4.88		"	10.0		48.8	63-149	Low Bias	7.22	30	
Dibromochloromethane	8.20		"	10.0		82.0	80-130		1.97	30	
Dibromomethane	8.77		"	10.0		87.7	72-134		2.66	30	
Dichlorodifluoromethane	11.0		"	10.0		110	44-144		2.30	30	
Ethyl Benzene	9.88		"	10.0		98.8	80-131		3.71	30	
Hexachlorobutadiene	6.27		"	10.0		62.7	67-146	Low Bias	11.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30198 - EPA 5030B

LCS Dup (BH30198-BSD1)	LCS Dup	Prepared & Analyzed: 08/02/2023									
Isopropylbenzene	9.64		ug/L	10.0		96.4	76-140		1.15	30	
Methyl acetate	9.50		"	10.0		95.0	51-139		1.27	30	
Methyl tert-butyl ether (MTBE)	8.68		"	10.0		86.8	76-135		4.84	30	
Methylcyclohexane	9.63		"	10.0		96.3	72-143		6.76	30	
Methylene chloride	9.70		"	10.0		97.0	55-137		4.64	30	
n-Butylbenzene	9.20		"	10.0		92.0	79-132		0.873	30	
n-Propylbenzene	9.55		"	10.0		95.5	78-133		1.37	30	
o-Xylene	9.62		"	10.0		96.2	78-130		3.81	30	
p- & m- Xylenes	19.7		"	20.0		98.5	77-133		3.83	30	
p-Isopropyltoluene	9.68		"	10.0		96.8	81-136		1.54	30	
sec-Butylbenzene	9.31		"	10.0		93.1	79-137		0.642	30	
Styrene	9.78		"	10.0		97.8	67-132		4.18	30	
tert-Butyl alcohol (TBA)	25.8		"	50.0		51.6	25-162		4.40	30	
tert-Butylbenzene	8.11		"	10.0		81.1	77-138		0.492	30	
Tetrachloroethylene	9.53		"	10.0		95.3	82-131		6.28	30	
Toluene	9.67		"	10.0		96.7	80-127		3.36	30	
trans-1,2-Dichloroethylene	9.96		"	10.0		99.6	80-132		6.32	30	
trans-1,3-Dichloropropylene	7.67		"	10.0		76.7	78-131	Low Bias	3.45	30	
Trichloroethylene	8.98		"	10.0		89.8	82-128		3.86	30	
Trichlorofluoromethane	11.1		"	10.0		111	67-139		4.91	30	
Vinyl acetate	12.1		"	10.0		121	21-90	High Bias	6.41	30	
Vinyl Chloride	10.5		"	10.0		105	58-145		3.57	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.49		"	10.0		94.9	69-130				
Surrogate: SURR: Toluene-d8	9.74		"	10.0		97.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122				

Batch BH30199 - EPA 5030B

Blank (BH30199-BLK1)	Blank	Prepared & Analyzed: 08/03/2023									
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30199 - EPA 5030B

Blank (BH30199-BLK1)	Blank	Prepared & Analyzed: 08/03/2023									
2,2-Dichloropropane	ND	0.500	ug/L								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30199 - EPA 5030B

Blank (BH30199-BLK1)	Blank	Prepared & Analyzed: 08/03/2023									
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURR: 1,2-Dichloroethane-d4	8.73		"	10.0		87.3	69-130				
Surrogate: SURR: Toluene-d8	9.68		"	10.0		96.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				

LCS (BH30199-BS1)	LCS	Prepared & Analyzed: 08/03/2023									
1,1,1,2-Tetrachloroethane	8.85		ug/L	10.0		88.5	82-126				
1,1,1-Trichloroethane	8.81		"	10.0		88.1	78-136				
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	8.66		"	10.0		86.6	82-123				
1,1-Dichloroethane	9.37		"	10.0		93.7	82-129				
1,1-Dichloroethylene	9.78		"	10.0		97.8	68-138				
1,1-Dichloropropylene	9.62		"	10.0		96.2	83-133				
1,2,3-Trichlorobenzene	8.18		"	10.0		81.8	76-136				
1,2,3-Trichloropropane	9.44		"	10.0		94.4	77-128				
1,2,4-Trichlorobenzene	8.65		"	10.0		86.5	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	6.96		"	10.0		69.6	45-147				
1,2-Dibromoethane	8.63		"	10.0		86.3	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	8.65		"	10.0		86.5	73-132				
1,2-Dichloropropane	9.37		"	10.0		93.7	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	8.43		"	10.0		84.3	81-125				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
1,4-Dioxane	195		"	210		93.1	10-349				
2,2-Dichloropropane	9.93		"	10.0		99.3	56-150				
2-Butanone	9.00		"	10.0		90.0	49-152				
2-Chlorotoluene	10.4		"	10.0		104	79-130				
2-Hexanone	6.65		"	10.0		66.5	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
4-Methyl-2-pentanone	6.69		"	10.0		66.9	57-145				
Acetone	6.78		"	10.0		67.8	14-150				
Acrolein	9.08		"	10.0		90.8	10-153				
Acrylonitrile	8.19		"	10.0		81.9	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	9.72		"	10.0		97.2	78-129				
Bromochloromethane	9.44		"	10.0		94.4	77-128				
Bromodichloromethane	7.58		"	10.0		75.8	79-128		Low Bias		
Bromoform	6.52		"	10.0		65.2	78-133		Low Bias		
Bromomethane	12.8		"	10.0		128	43-168				
Carbon disulfide	9.07		"	10.0		90.7	68-146				
Carbon tetrachloride	9.12		"	10.0		91.2	77-141				
Chlorobenzene	9.73		"	10.0		97.3	88-120				
Chloroethane	10.7		"	10.0		107	65-136				
Chloroform	9.39		"	10.0		93.9	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	83-129				
cis-1,3-Dichloropropylene	8.16		"	10.0		81.6	80-131				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30199 - EPA 5030B

LCS (BH30199-BS1)	LCS	Prepared & Analyzed: 08/03/2023								
Cyclohexane	4.82	ug/L	10.0	48.2	63-149	Low Bias				
Dibromochloromethane	7.72	"	10.0	77.2	80-130	Low Bias				
Dibromomethane	8.42	"	10.0	84.2	72-134					
Dichlorodifluoromethane	9.82	"	10.0	98.2	44-144					
Ethyl Benzene	9.99	"	10.0	99.9	80-131					
Hexachlorobutadiene	6.22	"	10.0	62.2	67-146	Low Bias				
Isopropylbenzene	10.8	"	10.0	108	76-140					
Methyl acetate	8.66	"	10.0	86.6	51-139					
Methyl tert-butyl ether (MTBE)	7.88	"	10.0	78.8	76-135					
Methyleyclohexane	9.41	"	10.0	94.1	72-143					
Methylene chloride	9.39	"	10.0	93.9	55-137					
n-Butylbenzene	9.74	"	10.0	97.4	79-132					
n-Propylbenzene	10.6	"	10.0	106	78-133					
o-Xylene	9.51	"	10.0	95.1	78-130					
p- & m- Xylenes	19.6	"	20.0	98.0	77-133					
p-Isopropyltoluene	10.6	"	10.0	106	81-136					
sec-Butylbenzene	10.2	"	10.0	102	79-137					
Styrene	9.55	"	10.0	95.5	67-132					
tert-Butyl alcohol (TBA)	24.5	"	50.0	48.9	25-162					
tert-Butylbenzene	8.94	"	10.0	89.4	77-138					
Tetrachloroethylene	9.56	"	10.0	95.6	82-131					
Toluene	9.81	"	10.0	98.1	80-127					
trans-1,2-Dichloroethylene	9.82	"	10.0	98.2	80-132					
trans-1,3-Dichloropropylene	7.46	"	10.0	74.6	78-131	Low Bias				
Trichloroethylene	9.00	"	10.0	90.0	82-128					
Trichlorofluoromethane	11.0	"	10.0	110	67-139					
Vinyl acetate	11.2	"	10.0	112	21-90	High Bias				
Vinyl Chloride	10.7	"	10.0	107	58-145					
Surrogate: SURR: 1,2-Dichloroethane-d4	8.59	"	10.0	85.9	69-130					
Surrogate: SURR: Toluene-d8	9.82	"	10.0	98.2	81-117					
Surrogate: SURR: p-Bromofluorobenzene	10.4	"	10.0	104	79-122					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30199 - EPA 5030B											
LCS Dup (BH30199-BSD1)	LCS Dup		Prepared & Analyzed: 08/03/2023								
1,1,1,2-Tetrachloroethane	8.63		ug/L	10.0		86.3	82-126		2.52	30	
1,1,1-Trichloroethane	8.67		"	10.0		86.7	78-136		1.60	30	
1,1,2,2-Tetrachloroethane	8.97		"	10.0		89.7	76-129		6.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		1.64	30	
1,1,2-Trichloroethane	8.41		"	10.0		84.1	82-123		2.93	30	
1,1-Dichloroethane	9.36		"	10.0		93.6	82-129		0.107	30	
1,1-Dichloroethylene	9.58		"	10.0		95.8	68-138		2.07	30	
1,1-Dichloropropylene	9.42		"	10.0		94.2	83-133		2.10	30	
1,2,3-Trichlorobenzene	8.09		"	10.0		80.9	76-136		1.11	30	
1,2,3-Trichloropropane	8.63		"	10.0		86.3	77-128		8.97	30	
1,2,4-Trichlorobenzene	8.56		"	10.0		85.6	76-137		1.05	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		4.03	30	
1,2-Dibromo-3-chloropropane	6.56		"	10.0		65.6	45-147		5.92	30	
1,2-Dibromoethane	8.33		"	10.0		83.3	83-124		3.54	30	
1,2-Dichlorobenzene	9.88		"	10.0		98.8	79-123		4.36	30	
1,2-Dichloroethane	8.45		"	10.0		84.5	73-132		2.34	30	
1,2-Dichloropropane	9.17		"	10.0		91.7	78-126		2.16	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		3.55	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122		3.63	30	
1,3-Dichloropropane	8.16		"	10.0		81.6	81-125		3.25	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		3.17	30	
1,4-Dioxane	203		"	210		96.7	10-349		3.83	30	
2,2-Dichloropropane	9.90		"	10.0		99.0	56-150		0.303	30	
2-Butanone	8.79		"	10.0		87.9	49-152		2.36	30	
2-Chlorotoluene	9.85		"	10.0		98.5	79-130		5.62	30	
2-Hexanone	6.57		"	10.0		65.7	51-146		1.21	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		2.92	30	
4-Methyl-2-pentanone	6.53		"	10.0		65.3	57-145		2.42	30	
Acetone	6.37		"	10.0		63.7	14-150		6.24	30	
Acrolein	9.19		"	10.0		91.9	10-153		1.20	30	
Acrylonitrile	8.38		"	10.0		83.8	51-150		2.29	30	
Benzene	10.5		"	10.0		105	85-126		0.286	30	
Bromobenzene	9.18		"	10.0		91.8	78-129		5.71	30	
Bromochloromethane	9.21		"	10.0		92.1	77-128		2.47	30	
Bromodichloromethane	7.45		"	10.0		74.5	79-128	Low Bias	1.73	30	
Bromoform	6.36		"	10.0		63.6	78-133	Low Bias	2.48	30	
Bromomethane	13.0		"	10.0		130	43-168		1.70	30	
Carbon disulfide	9.05		"	10.0		90.5	68-146		0.221	30	
Carbon tetrachloride	8.87		"	10.0		88.7	77-141		2.78	30	
Chlorobenzene	9.63		"	10.0		96.3	88-120		1.03	30	
Chloroethane	10.6		"	10.0		106	65-136		1.50	30	
Chloroform	9.23		"	10.0		92.3	82-128		1.72	30	
Chloromethane	10.6		"	10.0		106	43-155		1.50	30	
cis-1,2-Dichloroethylene	9.60		"	10.0		96.0	83-129		1.55	30	
cis-1,3-Dichloropropylene	8.02		"	10.0		80.2	80-131		1.73	30	
Cyclohexane	4.68		"	10.0		46.8	63-149	Low Bias	2.95	30	
Dibromochloromethane	7.53		"	10.0		75.3	80-130	Low Bias	2.49	30	
Dibromomethane	8.14		"	10.0		81.4	72-134		3.38	30	
Dichlorodifluoromethane	9.43		"	10.0		94.3	44-144		4.05	30	
Ethyl Benzene	9.77		"	10.0		97.7	80-131		2.23	30	
Hexachlorobutadiene	6.43		"	10.0		64.3	67-146	Low Bias	3.32	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30199 - EPA 5030B											
LCS Dup (BH30199-BSD1)	LCS Dup		Prepared & Analyzed: 08/03/2023								
Isopropylbenzene	10.1		ug/L	10.0		101	76-140		6.33	30	
Methyl acetate	8.72		"	10.0		87.2	51-139		0.690	30	
Methyl tert-butyl ether (MTBE)	7.88		"	10.0		78.8	76-135		0.00	30	
Methylcyclohexane	9.25		"	10.0		92.5	72-143		1.71	30	
Methylene chloride	9.19		"	10.0		91.9	55-137		2.15	30	
n-Butylbenzene	9.55		"	10.0		95.5	79-132		1.97	30	
n-Propylbenzene	10.0		"	10.0		100	78-133		5.80	30	
o-Xylene	9.37		"	10.0		93.7	78-130		1.48	30	
p- & m- Xylenes	19.4		"	20.0		96.8	77-133		1.13	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		3.36	30	
sec-Butylbenzene	9.76		"	10.0		97.6	79-137		3.92	30	
Styrene	9.56		"	10.0		95.6	67-132		0.105	30	
tert-Butyl alcohol (TBA)	23.3		"	50.0		46.6	25-162		4.94	30	
tert-Butylbenzene	8.55		"	10.0		85.5	77-138		4.46	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		3.30	30	
Toluene	9.56		"	10.0		95.6	80-127		2.58	30	
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132		0.613	30	
trans-1,3-Dichloropropylene	7.17		"	10.0		71.7	78-131	Low Bias	3.96	30	
Trichloroethylene	8.92		"	10.0		89.2	82-128		0.893	30	
Trichlorofluoromethane	10.7		"	10.0		107	67-139		2.94	30	
Vinyl acetate	11.0		"	10.0		110	21-90	High Bias	1.62	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		1.03	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	8.89		"	10.0		88.9	69-130				
Surrogate: SURR: Toluene-d8	9.69		"	10.0		96.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31686 - EPA 3510C

Blank (BG31686-BLK1)	Blank	Prepared: 07/29/2023 Analyzed: 08/01/2023									
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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31686 - EPA 3510C

Blank (BG31686-BLK1)	Blank								Prepared: 07/29/2023	Analyzed: 08/01/2023
N-Nitrosodiphenylamine	ND	5.00	ug/L							
Phenol	ND	5.00	"							
Pyridine	ND	5.00	"							
Surrogate: SURR: 2-Fluorophenol	17.6		"	50.0		35.3	19.7-63.1			
Surrogate: SURR: Phenol-d6	8.08		"	50.0		16.2	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5	19.3		"	25.0		77.1	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl	18.7		"	25.0		75.0	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol	54.8		"	50.0		110	39.3-151			
Surrogate: SURR: Terphenyl-d14	21.7		"	25.0		86.9	30.7-106			

Blank (BG31686-BLK2)	Blank								Prepared: 07/29/2023	Analyzed: 08/01/2023
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	0.580	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	0.0500	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. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31686 - EPA 3510C											
LCS (BG31686-BS1)	LCS	Prepared: 07/29/2023 Analyzed: 08/01/2023									
1,1-Biphenyl	10.7	5.00	ug/L	25.0		42.9	33-95				
1,2,4,5-Tetrachlorobenzene	17.1	5.00	"	25.0		68.2	26-120				
1,2,4-Trichlorobenzene	14.3	5.00	"	25.0		57.3	20-118				
1,2-Dichlorobenzene	11.3	5.00	"	25.0		45.3	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	9.35	5.00	"	25.0		37.4	16-141				
1,3-Dichlorobenzene	11.0	5.00	"	25.0		44.0	23-117				
1,4-Dichlorobenzene	10.7	5.00	"	25.0		42.6	30-105				
2,3,4,6-Tetrachlorophenol	14.6	5.00	"	25.0		58.4	30-130				
2,4,5-Trichlorophenol	13.7	5.00	"	25.0		54.7	32-114				
2,4,6-Trichlorophenol	11.7	5.00	"	25.0		46.9	35-118				
2,4-Dichlorophenol	14.1	5.00	"	25.0		56.4	25-116				
2,4-Dimethylphenol	9.29	5.00	"	25.0		37.2	15-116				
2,4-Dinitrophenol	22.1	5.00	"	25.0		88.5	10-170				
2,4-Dinitrotoluene	15.7	5.00	"	25.0		63.0	41-128				
2,6-Dinitrotoluene	15.1	5.00	"	25.0		60.4	45-116				
2-Chloronaphthalene	11.4	5.00	"	25.0		45.4	33-112				
2-Chlorophenol	10.6	5.00	"	25.0		42.3	15-120				
2-Methylnaphthalene	13.1	5.00	"	25.0		52.4	24-118				
2-Methylphenol	8.69	5.00	"	25.0		34.8	10-110				
2-Nitroaniline	12.6	5.00	"	25.0		50.4	34-129				
2-Nitrophenol	14.7	5.00	"	25.0		58.8	28-118				
3- & 4-Methylphenols	6.84	5.00	"	25.0		27.4	10-107				
3,3-Dichlorobenzidine	7.81	5.00	"	25.0		31.2	15-187				
3-Nitroaniline	11.3	5.00	"	25.0		45.2	24-134				
4,6-Dinitro-2-methylphenol	23.9	5.00	"	25.0		95.7	10-153				
4-Bromophenyl phenyl ether	13.1	5.00	"	25.0		52.4	34-120				
4-Chloro-3-methylphenol	13.7	5.00	"	25.0		54.7	20-120				
4-Chloroaniline	9.59	5.00	"	25.0		38.4	10-147				
4-Chlorophenyl phenyl ether	12.7	5.00	"	25.0		50.8	27-121				
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias			
4-Nitrophenol	18.2	5.00	"	25.0		72.7	10-131				
Acetophenone	12.7	5.00	"	25.0		50.9	25-110				
Aniline	4.24	5.00	"	25.0		17.0	10-117				
Benzaldehyde	10.6	5.00	"	25.0		42.6	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	6.55	5.00	"	25.0		26.2	10-117				
Benzyl butyl phthalate	10.6	5.00	"	25.0		42.5	29-133				
Bis(2-chloroethoxy)methane	12.0	5.00	"	25.0		47.8	10-154				
Bis(2-chloroethyl)ether	10.5	5.00	"	25.0		42.0	17-125				
Bis(2-chloroisopropyl)ether	8.55	5.00	"	25.0		34.2	10-139				
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias			
Carbazole	11.2	5.00	"	25.0		44.6	42-126				
Dibenzofuran	12.2	5.00	"	25.0		48.8	36-113				
Diethyl phthalate	12.3	5.00	"	25.0		49.2	38-115				
Dimethyl phthalate	12.4	5.00	"	25.0		49.7	38-129				
Di-n-butyl phthalate	11.1	5.00	"	25.0		44.5	31-120				
Di-n-octyl phthalate	10.9	5.00	"	25.0		43.6	21-149				
Hexachlorocyclopentadiene	6.76	10.0	"	25.0		27.0	10-130				
Isophorone	11.6	5.00	"	25.0		46.6	25-127				
N-nitroso-di-n-propylamine	9.93	5.00	"	25.0		39.7	26-122				
N-Nitrosodiphenylamine	12.4	5.00	"	25.0		49.6	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31686 - EPA 3510C

LCS (BG31686-BS1)	LCS	Prepared: 07/29/2023 Analyzed: 08/01/2023									
Phenol	3.65	5.00	ug/L	25.0		14.6	10-110				
Pyridine	4.01	5.00	"	25.5		15.7	10-90				
Surrogate: SURR: 2-Fluorophenol	15.6		"	50.0		31.1	19.7-63.1				
Surrogate: SURR: Phenol-d6	8.04		"	50.0		16.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.9		"	25.0		63.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.3		"	25.0		61.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	45.3		"	50.0		90.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.9		"	25.0		71.7	30.7-106				

LCS (BG31686-BS2)	LCS	Prepared: 07/29/2023 Analyzed: 08/01/2023									
Acenaphthene	0.600	0.0500	ug/L	1.00		60.0	25-116				
Acenaphthylene	0.670	0.0500	"	1.00		67.0	26-116				
Anthracene	0.760	0.0500	"	1.00		76.0	25-123				
Benzo(a)anthracene	0.710	0.0500	"	1.00		71.0	33-125				
Benzo(a)pyrene	0.660	0.0500	"	1.00		66.0	32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137				
Benzo(g,h,i)perylene	0.870	0.0500	"	1.00		87.0	10-138				
Benzo(k)fluoranthene	0.690	0.0500	"	1.00		69.0	20-137				
Bis(2-ethylhexyl)phthalate	1.44	0.500	"	1.00		144	10-189				
Chrysene	0.670	0.0500	"	1.00		67.0	32-124				
Dibenzo(a,h)anthracene	0.910	0.0500	"	1.00		91.0	16-133				
Fluoranthene	0.810	0.0500	"	1.00		81.0	32-121				
Fluorene	0.680	0.0500	"	1.00		68.0	28-118				
Hexachlorobenzene	0.830	0.0200	"	1.00		83.0	23-124				
Hexachlorobutadiene	0.640	0.500	"	1.00		64.0	15-123				
Hexachloroethane	2.84	0.500	"	1.00		284	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	0.910	0.0500	"	1.00		91.0	15-135				
Naphthalene	0.650	0.0500	"	1.00		65.0	18-120				
Nitrobenzene	0.740	0.250	"	1.00		74.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.13	0.250	"	1.00		113	10-156				
Phenanthrene	0.720	0.0500	"	1.00		72.0	24-127				
Pyrene	0.650	0.0500	"	1.00		65.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31686 - EPA 3510C											
LCS Dup (BG31686-BSD1)		LCS Dup		Prepared: 07/29/2023 Analyzed: 08/01/2023							
1,1-Biphenyl	12.3	5.00	ug/L	25.0		49.2	33-95		13.6	20	
1,2,4,5-Tetrachlorobenzene	19.1	5.00	"	25.0		76.4	26-120		11.3	20	
1,2,4-Trichlorobenzene	15.9	5.00	"	25.0		63.5	20-118		10.3	20	
1,2-Dichlorobenzene	12.6	5.00	"	25.0		50.5	29-111		10.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	10.4	5.00	"	25.0		41.6	16-141		10.5	20	
1,3-Dichlorobenzene	12.3	5.00	"	25.0		49.3	23-117		11.5	20	
1,4-Dichlorobenzene	12.0	5.00	"	25.0		47.8	30-105		11.4	20	
2,3,4,6-Tetrachlorophenol	16.0	5.00	"	25.0		64.0	30-130		9.09	20	
2,4,5-Trichlorophenol	15.7	5.00	"	25.0		62.8	32-114		13.7	20	
2,4,6-Trichlorophenol	13.5	5.00	"	25.0		54.0	35-118		14.0	20	
2,4-Dichlorophenol	16.1	5.00	"	25.0		64.5	25-116		13.4	20	
2,4-Dimethylphenol	9.71	5.00	"	25.0		38.8	15-116		4.42	20	
2,4-Dinitrophenol	24.5	5.00	"	25.0		98.0	10-170		10.2	20	
2,4-Dinitrotoluene	17.5	5.00	"	25.0		70.2	41-128		10.8	20	
2,6-Dinitrotoluene	17.0	5.00	"	25.0		67.9	45-116		11.8	20	
2-Chloronaphthalene	12.7	5.00	"	25.0		50.8	33-112		11.1	20	
2-Chlorophenol	12.2	5.00	"	25.0		48.7	15-120		14.1	20	
2-Methylnaphthalene	14.5	5.00	"	25.0		58.0	24-118		10.3	20	
2-Methylphenol	9.73	5.00	"	25.0		38.9	10-110		11.3	20	
2-Nitroaniline	14.4	5.00	"	25.0		57.4	34-129		12.9	20	
2-Nitrophenol	17.2	5.00	"	25.0		68.6	28-118		15.5	20	
3- & 4-Methylphenols	8.09	5.00	"	25.0		32.4	10-107		16.7	20	
3,3-Dichlorobenzidine	8.39	5.00	"	25.0		33.6	15-187		7.16	20	
3-Nitroaniline	13.1	5.00	"	25.0		52.6	24-134		15.0	20	
4,6-Dinitro-2-methylphenol	27.9	5.00	"	25.0		112	10-153		15.4	20	
4-Bromophenyl phenyl ether	14.4	5.00	"	25.0		57.5	34-120		9.24	20	
4-Chloro-3-methylphenol	15.1	5.00	"	25.0		60.5	20-120		10.1	20	
4-Chloroaniline	11.5	5.00	"	25.0		46.1	10-147		18.3	20	
4-Chlorophenyl phenyl ether	14.2	5.00	"	25.0		56.8	27-121		11.2	20	
4-Nitroaniline	ND	5.00	"	25.0			13-134	Low Bias		20	
4-Nitrophenol	21.3	5.00	"	25.0		85.3	10-131		15.9	20	
Acetophenone	13.4	5.00	"	25.0		53.7	25-110		5.28	20	
Aniline	5.03	5.00	"	25.0		20.1	10-117		17.0	20	
Benzaldehyde	11.4	5.00	"	25.0		45.5	29-117		6.63	20	
Benzoic acid	2.56	5.00	"	25.0		10.2	30-130	Low Bias	26.0	20	Non-dir.
Benzyl alcohol	8.05	5.00	"	25.0		32.2	10-117		20.5	20	Non-dir.
Benzyl butyl phthalate	12.0	5.00	"	25.0		48.1	29-133		12.3	20	
Bis(2-chloroethoxy)methane	13.7	5.00	"	25.0		54.7	10-154		13.4	20	
Bis(2-chloroethyl)ether	12.0	5.00	"	25.0		47.8	17-125		12.9	20	
Bis(2-chloroisopropyl)ether	9.46	5.00	"	25.0		37.8	10-139		10.1	20	
Caprolactam	ND	5.00	"	25.0			10-137	Low Bias		20	
Carbazole	12.7	5.00	"	25.0		50.7	42-126		12.7	20	
Dibenzofuran	13.5	5.00	"	25.0		53.8	36-113		9.82	20	
Diethyl phthalate	13.4	5.00	"	25.0		53.5	38-115		8.42	20	
Dimethyl phthalate	13.9	5.00	"	25.0		55.6	38-129		11.2	20	
Di-n-butyl phthalate	12.6	5.00	"	25.0		50.3	31-120		12.2	20	
Di-n-octyl phthalate	12.3	5.00	"	25.0		49.3	21-149		12.1	20	
Hexachlorocyclopentadiene	8.00	10.0	"	25.0		32.0	10-130		16.8	20	
Isophorone	13.2	5.00	"	25.0		52.7	25-127		12.4	20	
N-nitroso-di-n-propylamine	10.9	5.00	"	25.0		43.4	26-122		8.95	20	
N-Nitrosodiphenylamine	13.6	5.00	"	25.0		54.5	23-149		9.45	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31686 - EPA 3510C

LCS Dup (BG31686-BSD1) LCS Dup		Prepared: 07/29/2023 Analyzed: 08/01/2023									
Phenol	4.30	5.00	ug/L	25.0		17.2	10-110		16.4	20	
Pyridine	5.25	5.00	"	25.5		20.6	10-90		26.8	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	18.4		"	50.0		36.7	19.7-63.1				
Surrogate: SURR: Phenol-d6	9.38		"	50.0		18.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.0		"	25.0		71.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	50.3		"	50.0		101	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.7		"	25.0		78.9	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31438 - EPA 3535A											
Blank (BG31438-BLK1)	Blank		Prepared: 07/25/2023 Analyzed: 07/27/2023								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.85		"	4.00		96.3	36.6-118				
LCS (BG31438-BS1)	LCS		Prepared: 07/25/2023 Analyzed: 07/27/2023								
1,4-Dioxane	4.21	0.300	ug/L	4.00		105	50-130				
Surrogate: 1,4-Dioxane-d8	3.66		"	4.00		91.6	36.6-118				
Matrix Spike (BG31438-MS1)	Matrix Spike	*Source sample: 23G1426-22 (Matrix Spike)		Prepared: 07/25/2023 Analyzed: 07/27/2023							
1,4-Dioxane	4.66	0.300	ug/L	4.00	0.624	101	50-130				
Surrogate: 1,4-Dioxane-d8	3.68		"	4.00		92.1	50-130				
Matrix Spike Dup (BG31438-MS1)	Matrix Spike Dup	*Source sample: 23G1426-22 (Matrix Spike Dup)		Prepared: 07/25/2023 Analyzed: 07/27/2023							
1,4-Dioxane	4.83	0.300	ug/L	4.00	0.624	105	50-130		3.71	30	
Surrogate: 1,4-Dioxane-d8	3.40		"	4.00		85.0	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30021 - EPA 1633 Prep

Blank (BH30021-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	79.2		"	46.6		170	25-150				
Surrogate: M5PFHxA	83.8		"	50.0		168	25-150				
Surrogate: M4PFHpA	83.3		"	50.0		167	25-150				
Surrogate: M3PFHxS	79.6		"	47.4		168	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	50.0		167	25-150				
Surrogate: M6PFDA	30.6		"	25.0		122	25-150				
Surrogate: M7PFUdA	32.9		"	25.0		132	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.9		"	25.0		103	25-150				
Surrogate: M2PFTEdA	24.2		"	25.0		96.7	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30021 - EPA 1633 Prep

Blank (BH30021-BLK1)	Blank	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	38.5		ng/L	200		19.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	66.5		"	47.9		139	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	183		"	100		183	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	81.8		"	50.0		164	10-150				
Surrogate: d3-N-MeFOSAA	139		"	100		139	25-150				
Surrogate: d5-N-EtFOSAA	121		"	100		121	25-150				
Surrogate: M2-6:2 FTS	180		"	95.1		189	25-200				
Surrogate: M2-8:2 FTS	192		"	96.0		200	25-200				
Surrogate: M9PFNA	55.4		"	25.0		222	25-150				
Surrogate: M2-4:2 FTS	167		"	93.8		178	25-150				
Surrogate: d-N-MeFOSA	33.6		"	50.0		67.3	25-150				
Surrogate: d-N-EtFOSA	23.3		"	50.0		46.7	25-150				
Surrogate: M3HFPO-DA	343		"	200		171	25-150				
Surrogate: d9-N-EtFOSE	339		"	500		67.8	25-150				
Surrogate: d7-N-MeFOSE	451		"	500		90.3	25-150				

LCS (BH30021-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorobutanesulfonic acid (PFBS)	148	3.54	ng/L	70.8		210	50-150	High Bias			
Perfluorohexanoic acid (PFHxA)	171	4.00	"	80.0		214	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	141	4.00	"	80.0		176	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	162	3.66	"	73.2		221	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	149	4.00	"	80.0		186	50-150	High Bias			
Perfluorooctanesulfonic acid (PFOS)	124	3.72	"	74.4		167	50-150	High Bias			
Perfluorononanoic acid (PFNA)	121	4.00	"	80.0		152	50-150	High Bias			
Perfluorodecanoic acid (PFDA)	189	4.00	"	80.0		236	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	190	4.00	"	80.0		238	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	144	4.00	"	80.0		180	50-150	High Bias			
Perfluorotridecanoic acid (PFTTrDA)	189	4.00	"	80.0		236	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	164	4.00	"	80.0		206	50-150	High Bias			
N-MeFOSAA	167	4.00	"	80.0		209	50-150	High Bias			
N-EtFOSAA	140	4.00	"	80.0		175	50-150	High Bias			
Perfluoropentanoic acid (PFPeA)	324	8.00	"	160		202	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	168	4.00	"	80.0		210	50-150	High Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	139	3.82	"	76.4		183	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	146	3.86	"	77.2		190	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	670	15.2	"	304		221	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	722	15.4	"	307		235	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	610	16.0	"	320		191	50-150	High Bias			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	209	7.12	"	142		147	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	205	8.00	"	160		128	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	126	8.00	"	160		78.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	220	8.00	"	160		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	158	3.76	"	75.2		210	50-150	High Bias			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	717	15.0	"	300		239	50-150	High Bias			
HFPO-DA (Gen-X)	213	16.0	"	160		133	50-150				
11CL-PF3OUdS	173	15.1	"	151		114	50-150				
9CL-PF3ONS	177	15.0	"	150		118	50-150				
ADONA	201	15.1	"	151		133	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30021 - EPA 1633 Prep

LCS (BH30021-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Perfluorododecanesulfonic acid (PFDoS)	84.1	3.88	ng/L	77.6		108	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	126	3.84	"	76.8		165	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	2230	10.0	"	320		698	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	2780	50.0	"	1600		174	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	525	50.0	"	1600		32.8	50-150	Low Bias			
N-MeFOSE	1120	40.0	"	800		139	50-150				
N-MeFOSA	157	4.00	"	80.0		196	50-150	High Bias			
N-EtFOSE	1300	40.0	"	800		162	50-150	High Bias			
N-EtFOSA	127	4.00	"	80.0		159	50-150	High Bias			
Surrogate: M3PFBS	96.8		"	46.6		208	25-150				
Surrogate: M5PFHxA	92.7		"	50.0		185	25-150				
Surrogate: M4PFHpA	85.4		"	50.0		171	25-150				
Surrogate: M3PFHxS	94.6		"	47.4		200	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.5		"	50.0		161	25-150				
Surrogate: M6PFDA	32.7		"	25.0		131	25-150				
Surrogate: M7PFUdA	32.6		"	25.0		131	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.6		"	25.0		138	25-150				
Surrogate: M2PFTeDA	24.3		"	25.0		97.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	43.6		"	200		21.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	94.7		"	47.9		198	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	185		"	100		185	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	89.9		"	50.0		180	10-150				
Surrogate: d3-N-MeFOSAA	157		"	100		157	25-150				
Surrogate: d5-N-EtFOSAA	158		"	100		158	25-150				
Surrogate: M2-6:2 FTS	249		"	95.1		262	25-200				
Surrogate: M2-8:2 FTS	241		"	96.0		252	25-200				
Surrogate: M9PFNA	37.9		"	25.0		152	25-150				
Surrogate: M2-4:2 FTS	242		"	93.8		258	25-150				
Surrogate: d-N-MeFOSA	47.4		"	50.0		94.9	25-150				
Surrogate: d-N-EtFOSA	36.9		"	50.0		73.9	25-150				
Surrogate: M3HFPO-DA	358		"	200		179	25-150				
Surrogate: d9-N-EtFOSE	457		"	500		91.4	25-150				
Surrogate: d7-N-MeFOSE	592		"	500		118	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30021 - EPA 1633 Prep											
LCS (BH30021-BS2)		LCS		Prepared: 08/01/2023 Analyzed: 08/02/2023							
Perfluorobutanesulfonic acid (PFBS)	17.4	3.54	ng/L	14.2		123	50-150				
Perfluorohexanoic acid (PFHxA)	21.9	4.00	"	16.0		137	50-150				
Perfluoroheptanoic acid (PFHpA)	16.0	4.00	"	16.0		99.8	50-150				
Perfluorohexanesulfonic acid (PFHxS)	22.5	3.66	"	14.6		154	50-150	High Bias			
Perfluorooctanoic acid (PFOA)	18.4	4.00	"	16.0		115	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.9	3.72	"	14.9		100	50-150				
Perfluorononanoic acid (PFNA)	19.3	4.00	"	16.0		121	50-150				
Perfluorodecanoic acid (PFDA)	18.8	4.00	"	16.0		117	50-150				
Perfluoroundecanoic acid (PFUnA)	27.5	4.00	"	16.0		172	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	21.7	4.00	"	16.0		135	50-150				
Perfluorotridecanoic acid (PFTriDA)	21.9	4.00	"	16.0		137	50-150				
Perfluorotetradecanoic acid (PFTA)	22.6	4.00	"	16.0		142	50-150				
N-MeFOSAA	20.8	4.00	"	16.0		130	50-150				
N-EtFOSAA	20.0	4.00	"	16.0		125	50-150				
Perfluoropentanoic acid (PFPeA)	41.4	8.00	"	32.0		129	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	22.7	4.00	"	16.0		142	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	16.0	3.82	"	15.3		105	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	23.7	3.86	"	15.4		154	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	102	15.2	"	60.8		169	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	101	15.4	"	61.4		164	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	81.4	16.0	"	64.0		127	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.2	7.12	"	28.5		95.5	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	26.9	8.00	"	32.0		84.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	23.9	8.00	"	32.0		74.8	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	27.0	8.00	"	32.0		84.4	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	21.7	3.76	"	15.0		145	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F)	94.1	15.0	"	60.0		157	50-150	High Bias			
HFPO-DA (Gen-X)	20.2	16.0	"	32.0		63.3	50-150				
11CL-PF3OUdS	28.6	15.1	"	30.2		94.7	50-150				
9CL-PF3ONS	27.6	15.0	"	29.9		92.4	50-150				
ADONA	27.3	15.1	"	30.2		90.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	21.9	3.88	"	15.5		141	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	26.1	3.84	"	15.4		170	50-150	High Bias			
3-Perfluoropropyl propanoic acid (FPrPA)	302	10.0	"	64.0		472	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	349	50.0	"	320		109	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	81.4	50.0	"	320		25.4	50-150	Low Bias			
N-MeFOSE	141	40.0	"	160		88.1	50-150				
N-MeFOSA	12.2	4.00	"	16.0		76.3	50-150				
N-EtFOSE	171	40.0	"	160		107	50-150				
N-EtFOSA	18.1	4.00	"	16.0		113	50-150				
Surrogate: M3PFBS	83.3		"	46.6		179	25-150				
Surrogate: M5PFHxA	88.3		"	50.0		177	25-150				
Surrogate: M4PFHpA	87.7		"	50.0		175	25-150				
Surrogate: M3PFHxS	85.1		"	47.4		180	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	90.2		"	50.0		180	25-150				
Surrogate: M6PFDA	43.5		"	25.0		174	25-150				
Surrogate: M7PFUdA	37.5		"	25.0		150	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	35.7		"	25.0		143	25-150				
Surrogate: M2PFTeDA	26.3		"	25.0		105	10-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BH30021 - EPA 1633 Prep

LCS (BH30021-BS2)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	113		ng/L	200		56.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	69.8		"	47.9		146	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	194		"	100		194	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	73.3		"	50.0		147	10-150				
Surrogate: d3-N-MeFOSAA	146		"	100		146	25-150				
Surrogate: d5-N-EtFOSAA	150		"	100		150	25-150				
Surrogate: M2-6:2 FTS	173		"	95.1		182	25-200				
Surrogate: M2-8:2 FTS	186		"	96.0		194	25-200				
Surrogate: M9PFNA	42.8		"	25.0		171	25-150				
Surrogate: M2-4:2 FTS	162		"	93.8		173	25-150				
Surrogate: d-N-MeFOSA	54.4		"	50.0		109	25-150				
Surrogate: d-N-EtFOSA	32.7		"	50.0		65.4	25-150				
Surrogate: M3HFPO-DA	324		"	200		162	25-150				
Surrogate: d9-N-EtFOSE	495		"	500		98.9	25-150				
Surrogate: d7-N-MeFOSE	620		"	500		124	25-150				

Duplicate (BH30021-DUP1)	Duplicate	*Source sample: 23G1449-08 (EB01_072523)									
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	2.00	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	2.00	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	2.00	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	2.00	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	2.00	"		ND					30	
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"		ND					30	
N-MeFOSAA	ND	2.00	"		ND					30	
N-EtFOSAA	ND	2.00	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	3.99	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	7.58	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	7.66	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	7.98	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.55	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.99	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.99	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.99	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 F	ND	7.48	"		ND					30	
HFPO-DA (Gen-X)	ND	7.98	"		ND					30	
11CL-PF3OUdS	ND	7.54	"		ND					30	
9CL-PF3ONS	ND	7.46	"		ND					30	
ADONA	ND	7.54	"		ND					30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30021 - EPA 1633 Prep

Duplicate (BH30021-DUP1)	Duplicate	*Source sample: 23G1449-08 (EB01_072523)				Prepared: 08/01/2023 Analyzed: 08/02/2023					
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L	ND						30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"	ND						30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.99	"	ND						30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	24.9	"	ND						30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	24.9	"	ND						30	
N-MeFOSE	ND	20.0	"	ND						30	
N-MeFOSA	ND	2.00	"	ND						30	
N-EtFOSE	ND	20.0	"	ND						30	
N-EtFOSA	ND	2.00	"	ND						30	
Surrogate: M3PFBS	27.8		"	23.3		120	25-150				
Surrogate: M5PFHxA	47.9		"	24.9		192	25-150				
Surrogate: M4PFHpA	55.6		"	24.9		223	25-150				
Surrogate: M3PFHxS	34.8		"	23.6		147	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	45.0		"	24.9		180	25-150				
Surrogate: M6PFDA	20.3		"	12.5		163	25-150				
Surrogate: M7PFUdA	17.2		"	12.5		138	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.8		"	12.5		127	25-150				
Surrogate: M2PFTeDA	11.5		"	12.5		92.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.980		"	99.8		0.982	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	39.0		"	23.9		163	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	14.1		"	49.9		28.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	41.7		"	24.9		167	10-150				
Surrogate: d3-N-MeFOSAA	74.9		"	49.9		150	25-150				
Surrogate: d5-N-EtFOSAA	73.0		"	49.9		146	25-150				
Surrogate: M2-6:2 FTS	76.8		"	47.4		162	25-200				
Surrogate: M2-8:2 FTS	88.9		"	47.9		186	25-200				
Surrogate: M9PFNA	19.2		"	12.5		154	25-150				
Surrogate: M2-4:2 FTS	68.3		"	46.8		146	25-150				
Surrogate: d-N-MeFOSA	25.2		"	24.9		101	25-150				
Surrogate: d-N-EtFOSA	23.2		"	24.9		92.8	25-150				
Surrogate: M3HFPO-DA	173		"	99.8		173	25-150				
Surrogate: d9-N-EtFOSE	226		"	249		90.7	25-150				
Surrogate: d7-N-MeFOSE	267		"	249		107	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31809 - EPA 3510C

Blank (BG31809-BLK1)	Blank		Prepared: 08/01/2023 Analyzed: 08/02/2023								
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	0.206		"	0.200		103	30-150				
Surrogate: Tetrachloro-m-xylene	0.128		"	0.200		64.0	30-150				

LCS (BG31809-BS1)	LCS		Prepared: 08/01/2023 Analyzed: 08/02/2023								
4,4'-DDD	0.0623	0.00400	ug/L	0.100		62.3	40-140				
4,4'-DDE	0.0562	0.00400	"	0.100		56.2	40-140				
4,4'-DDT	0.0666	0.00400	"	0.100		66.6	40-140				
Aldrin	0.0448	0.00400	"	0.100		44.8	40-140				
alpha-BHC	0.0469	0.00400	"	0.100		46.9	40-140				
alpha-Chlordane	0.0516	0.00400	"	0.100		51.6	40-140				
beta-BHC	0.0559	0.00400	"	0.100		55.9	40-140				
delta-BHC	0.0554	0.00400	"	0.100		55.4	40-140				
Dieldrin	0.0592	0.00200	"	0.100		59.2	40-140				
Endosulfan I	0.0564	0.00400	"	0.100		56.4	40-140				
Endosulfan II	0.0669	0.00400	"	0.100		66.9	40-140				
Endosulfan sulfate	0.0706	0.00400	"	0.100		70.6	40-140				
Endrin	0.0629	0.00400	"	0.100		62.9	40-140				
Endrin aldehyde	0.0918	0.0100	"	0.100		91.8	40-140				
Endrin ketone	0.0814	0.0100	"	0.100		81.4	40-140				
gamma-BHC (Lindane)	0.0525	0.00400	"	0.100		52.5	40-140				
gamma-Chlordane	0.0529	0.0100	"	0.100		52.9	40-140				
Heptachlor	0.0582	0.00400	"	0.100		58.2	40-140				
Heptachlor epoxide	0.0579	0.00400	"	0.100		57.9	40-140				
Methoxychlor	0.0880	0.00400	"	0.100		88.0	40-140				
Surrogate: Decachlorobiphenyl	0.130		"	0.200		65.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0940		"	0.200		47.0	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

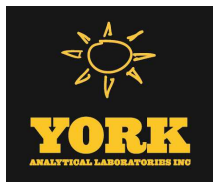
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31809 - EPA 3510C

LCS Dup (BG31809-BS1) LCS Dup		Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.0670	0.00400	ug/L	0.100		67.0	40-140		7.34	20	
4,4'-DDE	0.0615	0.00400	"	0.100		61.5	40-140		9.08	20	
4,4'-DDT	0.0698	0.00400	"	0.100		69.8	40-140		4.73	20	
Aldrin	0.0499	0.00400	"	0.100		49.9	40-140		10.9	20	
alpha-BHC	0.0537	0.00400	"	0.100		53.7	40-140		13.6	20	
alpha-Chlordane	0.0583	0.00400	"	0.100		58.3	40-140		12.2	20	
beta-BHC	0.0640	0.00400	"	0.100		64.0	40-140		13.5	20	
delta-BHC	0.0606	0.00400	"	0.100		60.6	40-140		8.95	20	
Dieldrin	0.0649	0.00200	"	0.100		64.9	40-140		9.28	20	
Endosulfan I	0.0628	0.00400	"	0.100		62.8	40-140		10.7	20	
Endosulfan II	0.0708	0.00400	"	0.100		70.8	40-140		5.55	20	
Endosulfan sulfate	0.0670	0.00400	"	0.100		67.0	40-140		5.12	20	
Endrin	0.0689	0.00400	"	0.100		68.9	40-140		9.16	20	
Endrin aldehyde	0.0942	0.0100	"	0.100		94.2	40-140		2.58	20	
Endrin ketone	0.0860	0.0100	"	0.100		86.0	40-140		5.49	20	
gamma-BHC (Lindane)	0.0593	0.00400	"	0.100		59.3	40-140		12.2	20	
gamma-Chlordane	0.0584	0.0100	"	0.100		58.4	40-140		9.91	20	
Heptachlor	0.0656	0.00400	"	0.100		65.6	40-140		11.9	20	
Heptachlor epoxide	0.0650	0.00400	"	0.100		65.0	40-140		11.5	20	
Methoxychlor	0.0904	0.00400	"	0.100		90.4	40-140		2.73	20	
Surrogate: Decachlorobiphenyl	0.134		"	0.200		67.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.113		"	0.200		56.4	30-150				

Matrix Spike (BG31809-MS1) Matrix Spike		*Source sample: 23G1416-01 (Matrix Spike) Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.438	0.00400	ug/L	1.00	ND	43.8	30-150				
4,4'-DDE	0.429	0.00400	"	1.00	ND	42.9	30-150				
4,4'-DDT	0.441	0.00400	"	1.00	ND	44.1	30-150				
Aldrin	0.411	0.00400	"	1.00	ND	41.1	30-150				
alpha-BHC	0.416	0.00400	"	1.00	ND	41.6	30-150				
alpha-Chlordane	0.421	0.00400	"	1.00	ND	42.1	30-150				
beta-BHC	0.405	0.00400	"	1.00	ND	40.5	30-150				
delta-BHC	0.425	0.00400	"	1.00	ND	42.5	30-150				
Dieldrin	0.440	0.00200	"	1.00	0.00363	43.7	30-150				
Endosulfan I	0.496	0.00400	"	1.00	ND	49.6	30-150				
Endosulfan II	0.455	0.00400	"	1.00	ND	45.5	30-150				
Endosulfan sulfate	0.485	0.00400	"	1.00	ND	48.5	30-150				
Endrin	0.452	0.00400	"	1.00	ND	45.2	30-150				
Endrin aldehyde	0.470	0.0100	"	1.00	ND	47.0	30-150				
Endrin ketone	0.480	0.0100	"	1.00	ND	48.0	30-150				
gamma-BHC (Lindane)	0.423	0.00400	"	1.00	ND	42.3	30-150				
gamma-Chlordane	0.416	0.0100	"	1.00	ND	41.6	30-150				
Heptachlor	0.433	0.00400	"	1.00	ND	43.3	30-150				
Heptachlor epoxide	0.451	0.00400	"	1.00	ND	45.1	30-150				
Methoxychlor	0.562	0.00400	"	1.00	ND	56.2	30-150				
Surrogate: Decachlorobiphenyl	0.136		"	0.200		68.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0824		"	0.200		41.2	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

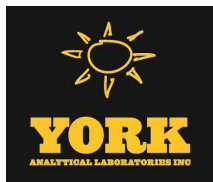
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31809 - EPA 3510C

Matrix Spike Dup (BG31809-1)				Matrix Spike Dup				Source sample: 23G1416-01 (Matrix Spike Dup)				Prepared: 08/01/2023 Analyzed: 08/02/2023			
4,4'-DDD	0.570	0.00400	ug/L	1.00	ND	57.0	30-150		26.2	20	Non-dir.				
4,4'-DDE	0.545	0.00400	"	1.00	ND	54.5	30-150		24.0	20	Non-dir.				
4,4'-DDT	0.573	0.00400	"	1.00	ND	57.3	30-150		26.0	20	Non-dir.				
Aldrin	0.508	0.00400	"	1.00	ND	50.8	30-150		21.0	20	Non-dir.				
alpha-BHC	0.509	0.00400	"	1.00	ND	50.9	30-150		20.1	20	Non-dir.				
alpha-Chlordane	0.527	0.00400	"	1.00	ND	52.7	30-150		22.2	20	Non-dir.				
beta-BHC	0.512	0.00400	"	1.00	ND	51.2	30-150		23.3	20	Non-dir.				
delta-BHC	0.534	0.00400	"	1.00	ND	53.4	30-150		22.6	20	Non-dir.				
Dieldrin	0.561	0.00200	"	1.00	0.00363	55.7	30-150		24.1	20	Non-dir.				
Endosulfan I	0.652	0.00400	"	1.00	ND	65.2	30-150		27.2	20	Non-dir.				
Endosulfan II	0.593	0.00400	"	1.00	ND	59.3	30-150		26.4	20	Non-dir.				
Endosulfan sulfate	0.644	0.00400	"	1.00	ND	64.4	30-150		28.1	20	Non-dir.				
Endrin	0.586	0.00400	"	1.00	ND	58.6	30-150		25.7	20	Non-dir.				
Endrin aldehyde	0.627	0.0100	"	1.00	ND	62.7	30-150		28.7	20	Non-dir.				
Endrin ketone	0.643	0.0100	"	1.00	ND	64.3	30-150		29.0	20	Non-dir.				
gamma-BHC (Lindane)	0.520	0.00400	"	1.00	ND	52.0	30-150		20.6	20	Non-dir.				
gamma-Chlordane	0.523	0.0100	"	1.00	ND	52.3	30-150		22.8	20	Non-dir.				
Heptachlor	0.535	0.00400	"	1.00	ND	53.5	30-150		21.1	20	Non-dir.				
Heptachlor epoxide	0.570	0.00400	"	1.00	ND	57.0	30-150		23.2	20	Non-dir.				
Methoxychlor	0.761	0.00400	"	1.00	ND	76.1	30-150		30.0	20	Non-dir.				
Surrogate: Decachlorobiphenyl	0.197		"	0.200		98.6	30-150								
Surrogate: Tetrachloro-m-xylene	0.101		"	0.200		50.7	30-150								

Batch BG31810 - EPA 3510C

Blank (BG31810-BLK1)				Blank				Prepared: 08/01/2023 Analyzed: 08/02/2023			
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	0.157		"	0.200		78.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.109		"	0.200		54.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31810 - EPA 3510C

LCS (BG31810-BS1)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.0598	0.00400	ug/L	0.100		59.8	40-140				
4,4'-DDE	0.0532	0.00400	"	0.100		53.2	40-140				
4,4'-DDT	0.0495	0.00400	"	0.100		49.5	40-140				
Aldrin	0.0466	0.00400	"	0.100		46.6	40-140				
alpha-BHC	0.0447	0.00400	"	0.100		44.7	40-140				
alpha-Chlordane	0.0495	0.00400	"	0.100		49.5	40-140				
beta-BHC	0.0501	0.00400	"	0.100		50.1	40-140				
delta-BHC	0.0487	0.00400	"	0.100		48.7	40-140				
Dieldrin	0.0549	0.00200	"	0.100		54.9	40-140				
Endosulfan I	0.0534	0.00400	"	0.100		53.4	40-140				
Endosulfan II	0.0591	0.00400	"	0.100		59.1	40-140				
Endosulfan sulfate	0.0557	0.00400	"	0.100		55.7	40-140				
Endrin	0.0564	0.00400	"	0.100		56.4	40-140				
Endrin aldehyde	0.0675	0.0100	"	0.100		67.5	40-140				
Endrin ketone	0.0724	0.0100	"	0.100		72.4	40-140				
gamma-BHC (Lindane)	0.0486	0.00400	"	0.100		48.6	40-140				
gamma-Chlordane	0.0505	0.0100	"	0.100		50.5	40-140				
Heptachlor	0.0541	0.00400	"	0.100		54.1	40-140				
Heptachlor epoxide	0.0542	0.00400	"	0.100		54.2	40-140				
Methoxychlor	0.0645	0.00400	"	0.100		64.5	40-140				
Surrogate: Decachlorobiphenyl	0.142		"	0.200		70.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0872		"	0.200		43.6	30-150				

LCS Dup (BG31810-BS1)	LCS Dup	Prepared: 08/01/2023 Analyzed: 08/02/2023									
4,4'-DDD	0.0597	0.00400	ug/L	0.100		59.7	40-140		0.161	20	
4,4'-DDE	0.0544	0.00400	"	0.100		54.4	40-140		2.28	20	
4,4'-DDT	0.0502	0.00400	"	0.100		50.2	40-140		1.46	20	
Aldrin	0.0497	0.00400	"	0.100		49.7	40-140		6.45	20	
alpha-BHC	0.0479	0.00400	"	0.100		47.9	40-140		6.88	20	
alpha-Chlordane	0.0514	0.00400	"	0.100		51.4	40-140		3.75	20	
beta-BHC	0.0511	0.00400	"	0.100		51.1	40-140		2.04	20	
delta-BHC	0.0501	0.00400	"	0.100		50.1	40-140		2.82	20	
Dieldrin	0.0560	0.00200	"	0.100		56.0	40-140		2.05	20	
Endosulfan I	0.0546	0.00400	"	0.100		54.6	40-140		2.22	20	
Endosulfan II	0.0588	0.00400	"	0.100		58.8	40-140		0.657	20	
Endosulfan sulfate	0.0554	0.00400	"	0.100		55.4	40-140		0.521	20	
Endrin	0.0567	0.00400	"	0.100		56.7	40-140		0.435	20	
Endrin aldehyde	0.0676	0.0100	"	0.100		67.6	40-140		0.206	20	
Endrin ketone	0.0718	0.0100	"	0.100		71.8	40-140		0.855	20	
gamma-BHC (Lindane)	0.0514	0.00400	"	0.100		51.4	40-140		5.65	20	
gamma-Chlordane	0.0519	0.0100	"	0.100		51.9	40-140		2.77	20	
Heptachlor	0.0576	0.00400	"	0.100		57.6	40-140		6.31	20	
Heptachlor epoxide	0.0559	0.00400	"	0.100		55.9	40-140		3.09	20	
Methoxychlor	0.0638	0.00400	"	0.100		63.8	40-140		1.13	20	
Surrogate: Decachlorobiphenyl	0.135		"	0.200		67.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0906		"	0.200		45.3	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31809 - EPA 3510C

Blank (BG31809-BLK2)	Blank										Prepared & Analyzed: 08/01/2023
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	0.144		"	0.200		72.0	30-120				
Surrogate: Decachlorobiphenyl	0.262		"	0.200		131	30-120				

LCS (BG31809-BS2)	LCS										Prepared & Analyzed: 08/01/2023
Aroclor 1016	0.795	0.0500	ug/L	1.00		79.5	40-120				
Aroclor 1260	0.791	0.0500	"	1.00		79.1	40-120				
Surrogate: Tetrachloro-m-xylene	0.141		"	0.200		70.5	30-120				
Surrogate: Decachlorobiphenyl	0.188		"	0.200		94.0	30-120				

LCS Dup (BG31809-BSD2)	LCS Dup										Prepared & Analyzed: 08/01/2023
Aroclor 1016	0.661	0.0500	ug/L	1.00		66.1	40-120		18.5	30	
Aroclor 1260	0.717	0.0500	"	1.00		71.7	40-120		9.84	30	
Surrogate: Tetrachloro-m-xylene	0.135		"	0.200		67.5	30-120				
Surrogate: Decachlorobiphenyl	0.223		"	0.200		112	30-120				

Batch BG31810 - EPA 3510C

Blank (BG31810-BLK2)	Blank										Prepared: 08/01/2023 Analyzed: 08/02/2023
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	0.132		"	0.200		66.0	30-120				
Surrogate: Decachlorobiphenyl	0.146		"	0.200		73.0	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31810 - EPA 3510C

LCS (BG31810-BS2)	LCS	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Aroclor 1016	0.654	0.0500	ug/L	1.00		65.4	40-120				
Aroclor 1260	0.577	0.0500	"	1.00		57.7	40-120				
Surrogate: Tetrachloro-m-xylene	0.107		"	0.200		53.5	30-120				
Surrogate: Decachlorobiphenyl	0.165		"	0.200		82.5	30-120				
LCS Dup (BG31810-BSD2)	LCS Dup	Prepared: 08/01/2023 Analyzed: 08/02/2023									
Aroclor 1016	0.806	0.0500	ug/L	1.00		80.6	40-120		20.8	30	
Aroclor 1260	0.749	0.0500	"	1.00		74.9	40-120		26.0	30	
Surrogate: Tetrachloro-m-xylene	0.125		"	0.200		62.5	30-120				
Surrogate: Decachlorobiphenyl	0.145		"	0.200		72.5	30-120				



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31518 - EPA 8151A											
Blank (BG31518-BLK1)	Blank										Prepared: 07/26/2023 Analyzed: 07/28/2023
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)	62.8		"	125		50.2	30-150				
LCS (BG31518-BS1)	LCS										Prepared: 07/26/2023 Analyzed: 07/28/2023
2,4,5-T	26.5	5.00	ug/L	40.0		66.2	10-140				
2,4,5-TP (Silvex)	26.5	5.00	"	40.0		66.2	10-139				
2,4-D	28.8	5.00	"	40.0		71.9	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	84.2		"	125		67.4	30-150				
LCS Dup (BG31518-BSD1)	LCS Dup										Prepared: 07/26/2023 Analyzed: 07/28/2023
2,4,5-T	19.2	5.00	ug/L	40.0		48.1	10-140		31.7	30	Non-dir.
2,4,5-TP (Silvex)	18.5	5.00	"	40.0		46.2	10-139		35.6	30	Non-dir.
2,4-D	21.0	5.00	"	40.0		52.5	10-140		31.2	30	Non-dir.
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	63.0		"	125		50.4	30-150				
Matrix Spike (BG31518-MS1)	Matrix Spike *Source sample: 23G1300-01 (Matrix Spike)										Prepared: 07/26/2023 Analyzed: 07/28/2023
2,4,5-T	22.2	5.00	ug/L	40.0	ND	55.6	30-150				
2,4,5-TP (Silvex)	22.0	5.00	"	40.0	ND	55.0	30-150				
2,4-D	24.5	5.00	"	40.0	ND	61.2	30-150				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	75.2		"	125		60.2	30-150				
Matrix Spike Dup (BG31518-MS1)	Matrix Spike Dup *Source sample: 23G1300-01 (Matrix Spike Dup)										Prepared: 07/26/2023 Analyzed: 07/28/2023
2,4,5-T	21.2	5.00	ug/L	40.0	ND	53.1	30-150		4.60	30	
2,4,5-TP (Silvex)	20.5	5.00	"	40.0	ND	51.2	30-150		7.06	30	
2,4-D	23.5	5.00	"	40.0	ND	58.8	30-150		4.17	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	70.5		"	125		56.4	30-150				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31755 - EPA 3015A

Blank (BG31755-BLK1)	Blank	Prepared: 07/31/2023 Analyzed: 08/01/2023									
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	0.195	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BG31755-BS1)	LCS	Prepared: 07/31/2023 Analyzed: 08/01/2023									
Aluminum - Dissolved	1.79		ug/mL	2.00		89.4	80-120				
Barium - Dissolved	1.90		"	2.00		95.1	80-120				
Calcium - Dissolved	0.993		"	1.00		99.3	80-120				
Chromium - Dissolved	0.184		"	0.200		92.0	80-120				
Cobalt - Dissolved	0.473		"	0.500		94.5	80-120				
Copper - Dissolved	0.241		"	0.250		96.4	80-120				
Iron - Dissolved	0.924		"	1.00		92.4	80-120				
Lead - Dissolved	0.461		"	0.500		92.2	80-120				
Magnesium - Dissolved	0.929		"	1.00		92.9	80-120				
Manganese - Dissolved	0.470		"	0.500		94.1	80-120				
Nickel - Dissolved	0.475		"	0.500		94.9	80-120				
Potassium - Dissolved	0.835		"	1.00		83.5	80-120				
Silver - Dissolved	0.0448		"	0.0500		89.5	80-120				
Sodium - Dissolved	1.04		"	1.00		104	80-120				
Vanadium - Dissolved	0.468		"	0.500		93.5	80-120				
Zinc - Dissolved	0.446		"	0.500		89.3	80-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31755 - EPA 3015A

Duplicate (BG31755-DUP1)	Duplicate	*Source sample: 23G1416-01 (Duplicate)				Prepared: 07/31/2023 Analyzed: 08/01/2023					
Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	0.101	0.0278	"		0.0994				1.81	20	
Calcium - Dissolved	115	0.0556	"		113				1.92	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00444	"		ND					20	
Copper - Dissolved	ND	0.0222	"		ND					20	
Iron - Dissolved	ND	0.278	"		ND					20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	31.0	0.0556	"		30.1				2.91	20	
Manganese - Dissolved	0.251	0.00556	"		0.246				2.18	20	
Nickel - Dissolved	ND	0.0111	"		ND					20	
Potassium - Dissolved	34.0	0.0556	"		33.1				2.64	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	216	0.556	"		212				2.23	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	ND	0.0278	"		ND					20	

Matrix Spike (BG31755-MS1)	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)				Prepared: 07/31/2023 Analyzed: 08/01/2023					
Aluminum - Dissolved	2.26	0.0556	mg/L	2.22	ND	102	75-125				
Barium - Dissolved	2.48	0.0278	"	2.22	0.0994	107	75-125				
Calcium - Dissolved	119	0.0556	"	1.11	113	502	75-125	High Bias			
Chromium - Dissolved	0.230	0.00556	"	0.222	ND	103	75-125				
Cobalt - Dissolved	0.583	0.00444	"	0.556	ND	105	75-125				
Copper - Dissolved	0.319	0.0222	"	0.278	ND	115	75-125				
Iron - Dissolved	1.13	0.278	"	1.11	ND	102	75-125				
Lead - Dissolved	0.541	0.00556	"	0.556	ND	97.4	75-125				
Magnesium - Dissolved	31.9	0.0556	"	1.11	30.1	157	75-125	High Bias			
Manganese - Dissolved	0.854	0.00556	"	0.556	0.246	110	75-125				
Nickel - Dissolved	0.601	0.0111	"	0.556	ND	108	75-125				
Potassium - Dissolved	34.8	0.0556	"	1.11	33.1	151	75-125	High Bias			
Silver - Dissolved	0.0559	0.00556	"	0.0556	ND	101	75-125				
Sodium - Dissolved	221	0.556	"	1.11	212	867	75-125	High Bias			
Vanadium - Dissolved	0.595	0.0111	"	0.556	ND	107	75-125				
Zinc - Dissolved	0.569	0.0278	"	0.556	ND	102	75-125				



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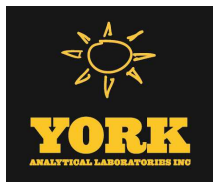
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31755 - EPA 3015A

Post Spike (BG31755-PS1)	Post Spike	*Source sample: 23G1416-01 (Post Spike)					Prepared: 07/31/2023 Analyzed: 08/01/2023				
Aluminum - Dissolved	2.01		ug/mL	2.00	0.0225	99.4	75-125				
Barium - Dissolved	2.19		"	2.00	0.0895	105	75-125				
Calcium - Dissolved	103		"	1.00	102	72.9	75-125	Low Bias			
Chromium - Dissolved	0.200		"	0.200	0.00378	98.3	75-125				
Cobalt - Dissolved	0.512		"	0.500	0.000134	102	75-125				
Copper - Dissolved	0.279		"	0.250	0.00279	110	75-125				
Iron - Dissolved	1.07		"	1.00	0.0384	103	75-125				
Lead - Dissolved	0.480		"	0.500	-0.0121	96.0	75-125				
Magnesium - Dissolved	28.7		"	1.00	27.1	159	75-125	High Bias			
Manganese - Dissolved	0.753		"	0.500	0.221	106	75-125				
Nickel - Dissolved	0.523		"	0.500	0.00192	104	75-125				
Potassium - Dissolved	31.1		"	1.00	29.8	124	75-125				
Silver - Dissolved	0.0517		"	0.0500	0.000275	103	75-125				
Sodium - Dissolved	188		"	1.00	190	NR	75-125	Low Bias			
Vanadium - Dissolved	0.517		"	0.500	0.00456	103	75-125				
Zinc - Dissolved	0.515		"	0.500	0.00765	101	75-125				

Batch BG31759 - EPA 3015A

Blank (BG31759-BLK1)	Blank	Prepared: 07/31/2023 Analyzed: 08/01/2023									
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	"								



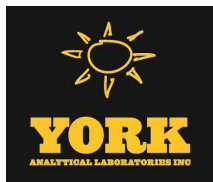
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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31759 - EPA 3015A

LCS (BG31759-BS1)	LCS	Prepared: 07/31/2023 Analyzed: 08/01/2023									
Aluminum	2.06		ug/mL	2.00		103	80-120				
Barium	2.10		"	2.00		105	80-120				
Calcium	1.10		"	1.00		110	80-120				
Chromium	0.209		"	0.200		104	80-120				
Cobalt	0.520		"	0.500		104	80-120				
Copper	0.277		"	0.250		111	80-120				
Iron	1.07		"	1.00		107	80-120				
Lead	0.513		"	0.500		103	80-120				
Magnesium	1.01		"	1.00		101	80-120				
Manganese	0.527		"	0.500		105	80-120				
Nickel	0.529		"	0.500		106	80-120				
Potassium	1.05		"	1.00		105	80-120				
Silver	0.0497		"	0.0500		99.4	80-120				
Sodium	1.16		"	1.00		116	80-120				
Vanadium	0.508		"	0.500		102	80-120				
Zinc	0.503		"	0.500		101	80-120				

Duplicate (BG31759-DUP1)	Duplicate	*Source sample: 23G1416-01 (Duplicate) Prepared: 07/31/2023 Analyzed: 08/01/2023									
Aluminum	0.950	0.0556	mg/L		0.464				68.7	20	Non-dir.
Barium	0.0837	0.0278	"		0.0790				5.76	20	
Calcium	131	0.0556	"		134				2.25	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	1.07	0.278	"		0.527				67.7	20	Non-dir.
Lead	0.0115	0.00556	"		0.00875				27.3	20	Non-dir.
Magnesium	31.6	0.0556	"		32.2				1.65	20	
Manganese	0.135	0.00556	"		0.127				6.16	20	
Nickel	ND	0.0111	"		ND					20	
Potassium	36.7	0.0556	"		37.4				1.93	20	
Silver	ND	0.00556	"		ND					20	
Sodium	202	0.556	"		201				0.561	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	



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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31759 - EPA 3015A

Matrix Spike (BG31759-MS1)	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)						Prepared: 07/31/2023 Analyzed: 08/01/2023			
Aluminum	4.90	0.0556	mg/L	2.22	0.464	199	75-125	High Bias			
Barium	2.34	0.0278	"	2.22	0.0790	102	75-125				
Calcium	131	0.0556	"	1.11	134	NR	75-125	Low Bias			
Chromium	0.222	0.00556	"	0.222	ND	99.8	75-125				
Cobalt	0.548	0.00444	"	0.556	ND	98.6	75-125				
Copper	0.317	0.0222	"	0.278	ND	114	75-125				
Iron	5.43	0.278	"	1.11	0.527	442	75-125	High Bias			
Lead	0.614	0.00556	"	0.556	0.00875	109	75-125				
Magnesium	33.1	0.0556	"	1.11	32.2	86.4	75-125				
Manganese	0.968	0.00556	"	0.556	0.127	151	75-125	High Bias			
Nickel	0.556	0.0111	"	0.556	ND	100	75-125				
Potassium	37.5	0.0556	"	1.11	37.4	7.73	75-125	Low Bias			
Silver	0.0524	0.00556	"	0.0556	ND	94.3	75-125				
Sodium	209	0.556	"	1.11	201	766	75-125	High Bias			
Vanadium	0.555	0.0111	"	0.556	ND	100	75-125				
Zinc	0.586	0.0278	"	0.556	ND	105	75-125				

Post Spike (BG31759-PS1)	Post Spike	*Source sample: 23G1416-01 (Post Spike)						Prepared: 07/31/2023 Analyzed: 08/01/2023			
Aluminum	2.45		ug/mL	2.00	0.418	102	75-125				
Barium	2.11		"	2.00	0.0711	102	75-125				
Calcium	120		"	1.00	121	NR	75-125	Low Bias			
Chromium	0.202		"	0.200	0.00339	99.4	75-125				
Cobalt	0.499		"	0.500	-0.0000524	99.8	75-125				
Copper	0.278		"	0.250	0.00736	108	75-125				
Iron	1.48		"	1.00	0.474	101	75-125				
Lead	0.488		"	0.500	0.00787	96.0	75-125				
Magnesium	29.5		"	1.00	28.9	60.6	75-125	Low Bias			
Manganese	0.621		"	0.500	0.114	101	75-125				
Nickel	0.500		"	0.500	0.00326	99.4	75-125				
Potassium	34.3		"	1.00	33.7	63.6	75-125	Low Bias			
Silver	0.0529		"	0.0500	0.00123	103	75-125				
Sodium	181		"	1.00	180	4.70	75-125	Low Bias			
Vanadium	0.508		"	0.500	0.00368	101	75-125				
Zinc	0.503		"	0.500	0.0194	96.8	75-125				



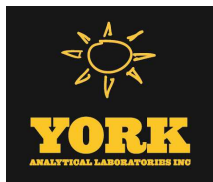
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York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31763 - EPA 3015A

Blank (BG31763-BLK1)	Blank	Prepared: 07/31/2023 Analyzed: 08/02/2023									
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BG31763-BS1)	LCS	Prepared: 07/31/2023 Analyzed: 08/02/2023									
Aluminum - Dissolved	1.98		ug/mL	2.00		99.1	80-120				
Barium - Dissolved	2.02		"	2.00		101	80-120				
Calcium - Dissolved	1.15		"	1.00		115	80-120				
Chromium - Dissolved	0.201		"	0.200		100	80-120				
Cobalt - Dissolved	0.497		"	0.500		99.4	80-120				
Copper - Dissolved	0.270		"	0.250		108	80-120				
Iron - Dissolved	1.03		"	1.00		103	80-120				
Lead - Dissolved	0.494		"	0.500		98.8	80-120				
Magnesium - Dissolved	1.02		"	1.00		102	80-120				
Manganese - Dissolved	0.506		"	0.500		101	80-120				
Nickel - Dissolved	0.506		"	0.500		101	80-120				
Potassium - Dissolved	0.941		"	1.00		94.1	80-120				
Silver - Dissolved	0.0487		"	0.0500		97.4	80-120				
Sodium - Dissolved	1.04		"	1.00		104	80-120				
Vanadium - Dissolved	0.487		"	0.500		97.3	80-120				
Zinc - Dissolved	0.497		"	0.500		99.4	80-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31763 - EPA 3015A

Duplicate (BG31763-DUP1)	Duplicate	*Source sample: 23G1540-01 (Duplicate)				Prepared: 07/31/2023 Analyzed: 08/02/2023					
Aluminum - Dissolved	0.853	0.0556	mg/L		0.166				135	20	Non-dir.
Barium - Dissolved	0.744	0.0278	"		0.687				7.94	20	
Calcium - Dissolved	269	0.0556	"		264				1.92	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00444	"		ND					20	
Copper - Dissolved	ND	0.0222	"		ND					20	
Iron - Dissolved	37.6	0.278	"		33.8				10.7	20	
Lead - Dissolved	0.0608	0.00556	"		0.00970				145	20	Non-dir.
Magnesium - Dissolved	51.8	0.0556	"		51.3				1.03	20	
Manganese - Dissolved	0.951	0.00556	"		0.893				6.28	20	
Nickel - Dissolved	ND	0.0111	"		ND					20	
Potassium - Dissolved	60.2	0.0556	"		60.0				0.334	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	1080	0.556	"		1060				1.63	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	0.0309	0.0278	"		ND					20	

Matrix Spike (BG31763-MS1)	Matrix Spike	*Source sample: 23G1540-01 (Matrix Spike)				Prepared: 07/31/2023 Analyzed: 08/02/2023					
Aluminum - Dissolved	2.38	0.0556	mg/L	2.22	0.166	99.4	75-125				
Barium - Dissolved	2.84	0.0278	"	2.22	0.687	96.6	75-125				
Calcium - Dissolved	269	0.0556	"	1.11	264	464	75-125	High Bias			
Chromium - Dissolved	0.216	0.00556	"	0.222	ND	97.0	75-125				
Cobalt - Dissolved	0.515	0.00444	"	0.556	ND	92.8	75-125				
Copper - Dissolved	0.297	0.0222	"	0.278	ND	107	75-125				
Iron - Dissolved	34.9	0.278	"	1.11	33.8	97.7	75-125				
Lead - Dissolved	0.518	0.00556	"	0.556	0.00970	91.6	75-125				
Magnesium - Dissolved	52.2	0.0556	"	1.11	51.3	78.5	75-125				
Manganese - Dissolved	1.39	0.00556	"	0.556	0.893	89.9	75-125				
Nickel - Dissolved	0.516	0.0111	"	0.556	ND	92.8	75-125				
Potassium - Dissolved	60.8	0.0556	"	1.11	60.0	72.1	75-125	Low Bias			
Silver - Dissolved	0.0555	0.00556	"	0.0556	ND	99.9	75-125				
Sodium - Dissolved	1060	0.556	"	1.11	1060	NR	75-125	Low Bias			
Vanadium - Dissolved	0.541	0.0111	"	0.556	ND	97.4	75-125				
Zinc - Dissolved	0.533	0.0278	"	0.556	ND	95.9	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

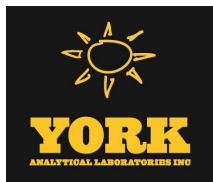
Batch BG31763 - EPA 3015A

Post Spike (BG31763-PS1)	Post Spike	*Source sample: 23G1540-01 (Post Spike)					Prepared: 07/31/2023 Analyzed: 08/02/2023				
Aluminum - Dissolved	2.26		ug/mL	2.00	0.150	106	75-125				
Barium - Dissolved	2.68		"	2.00	0.619	103	75-125				
Calcium - Dissolved	250		"	1.00	238	NR	75-125	High Bias			
Chromium - Dissolved	0.207		"	0.200	0.00261	102	75-125				
Cobalt - Dissolved	0.490		"	0.500	-0.00173	98.0	75-125				
Copper - Dissolved	0.284		"	0.250	0.00354	112	75-125				
Iron - Dissolved	31.6		"	1.00	30.4	116	75-125				
Lead - Dissolved	0.491		"	0.500	0.00873	96.5	75-125				
Magnesium - Dissolved	47.3		"	1.00	46.2	112	75-125				
Manganese - Dissolved	1.29		"	0.500	0.804	97.1	75-125				
Nickel - Dissolved	0.489		"	0.500	-0.000371	97.9	75-125				
Potassium - Dissolved	55.0		"	1.00	54.0	98.8	75-125				
Silver - Dissolved	0.0558		"	0.0500	0.00163	108	75-125				
Sodium - Dissolved	979		"	1.00	958	NR	75-125	High Bias			
Vanadium - Dissolved	0.515		"	0.500	0.000437	103	75-125				
Zinc - Dissolved	0.506		"	0.500	0.0164	97.9	75-125				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31751 - EPA 3015A											
Blank (BG31751-BLK1)	Blank							Prepared & Analyzed: 07/31/2023			
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 (BG31751-BS1)	LCS							Prepared & Analyzed: 07/31/2023			
Antimony	53.9		ug/L	50.0		108	80-120				
Arsenic	49.2		"	50.0		98.4	80-120				
Beryllium	62.4		"	50.0		125	80-120	High Bias			
Cadmium	50.3		"	50.0		101	80-120				
Selenium	48.6		"	50.0		97.2	80-120				
Thallium	50.4		"	50.0		101	80-120				
Duplicate (BG31751-DUP1)	Duplicate							*Source sample: 23G1416-01 (Duplicate)			
								Prepared & Analyzed: 07/31/2023			
Antimony	0.00341	0.00111	mg/L		0.00340				0.499	20	
Arsenic	0.00347	0.00111	"		0.00333				4.25	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.140	0.00111	"		0.144				2.96	20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BG31751-MS1)	Matrix Spike							*Source sample: 23G1416-01 (Matrix Spike)			
								Prepared & Analyzed: 07/31/2023			
Antimony	61.3		ug/L	50.0	3.06	116	75-125				
Arsenic	57.2		"	50.0	2.99	108	75-125				
Beryllium	44.6		"	50.0	0.025	89.1	75-125				
Cadmium	52.1		"	50.0	0.078	104	75-125				
Selenium	178		"	50.0	129	98.2	75-125				
Thallium	49.4		"	50.0	-0.012	98.9	75-125				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31756 - EPA 3015A											
Blank (BG31756-BLK1)	Blank		Prepared: 07/31/2023 Analyzed: 08/01/2023								
Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.000333	"								
Cadmium - Dissolved	ND	0.000556	"								
Selenium - Dissolved	ND	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								
LCS (BG31756-BS1)	LCS		Prepared: 07/31/2023 Analyzed: 08/01/2023								
Antimony - Dissolved	54.6		ug/L	50.0		109	80-120				
Arsenic - Dissolved	49.8		"	50.0		99.6	80-120				
Beryllium - Dissolved	55.3		"	50.0		111	80-120				
Cadmium - Dissolved	50.3		"	50.0		101	80-120				
Selenium - Dissolved	47.3		"	50.0		94.6	80-120				
Thallium - Dissolved	49.9		"	50.0		99.8	80-120				
Duplicate (BG31756-DUP1)	Duplicate	*Source sample: 23G1416-01 (Duplicate)		Prepared: 07/31/2023 Analyzed: 08/01/2023							
Antimony - Dissolved	0.00330	0.00111	mg/L		0.00303				8.53	20	
Arsenic - Dissolved	0.00448	0.00111	"		0.00482				7.32	20	
Beryllium - Dissolved	ND	0.000333	"		ND					20	
Cadmium - Dissolved	ND	0.000556	"		ND					20	
Selenium - Dissolved	0.130	0.00111	"		0.130				0.381	20	
Thallium - Dissolved	ND	0.00111	"		ND					20	
Matrix Spike (BG31756-MS1)	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)		Prepared: 07/31/2023 Analyzed: 08/01/2023							
Antimony - Dissolved	61.2		ug/L	50.0	2.72	117	75-125				
Arsenic - Dissolved	58.5		"	50.0	4.34	108	75-125				
Beryllium - Dissolved	43.8		"	50.0	0.002	87.6	75-125				
Cadmium - Dissolved	51.7		"	50.0	0.069	103	75-125				
Selenium - Dissolved	164		"	50.0	117	94.4	75-125				
Thallium - Dissolved	48.3		"	50.0	-0.167	96.7	75-125				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31762 - EPA 3015A

Blank (BG31762-BLK1)	Blank	Prepared & Analyzed: 07/31/2023									
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 (BG31762-BS1)	LCS	Prepared & Analyzed: 07/31/2023									
Antimony	49.3		ug/L	50.0		98.6	80-120				
Arsenic	51.2		"	50.0		102	80-120				
Beryllium	53.9		"	50.0		108	80-120				
Cadmium	46.2		"	50.0		92.4	80-120				
Selenium	49.9		"	50.0		99.9	80-120				
Thallium	50.6		"	50.0		101	80-120				

Duplicate (BG31762-DUP1)	Duplicate	*Source sample: 23G1504-01 (Duplicate)					Prepared & Analyzed: 07/31/2023				
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00344	0.00111	"		0.00337				2.14	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 (BG31762-MS1)	Matrix Spike	*Source sample: 23G1504-01 (Matrix Spike)					Prepared & Analyzed: 07/31/2023				
Antimony	57.0		ug/L	50.0	0.258	113	75-125				
Arsenic	55.1		"	50.0	3.03	104	75-125				
Beryllium	43.5		"	50.0	0.0007	87.0	75-125				
Cadmium	49.9		"	50.0	0.027	99.7	75-125				
Selenium	53.9		"	50.0	0.488	107	75-125				
Thallium	48.2		"	50.0	-0.016	96.4	75-125				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31764 - EPA 3015A

Blank (BG31764-BLK1)	Blank	Prepared: 07/31/2023 Analyzed: 08/01/2023									
Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.000333	"								
Cadmium - Dissolved	ND	0.000556	"								
Selenium - Dissolved	ND	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								

LCS (BG31764-BS1)	LCS	Prepared: 07/31/2023 Analyzed: 08/01/2023									
Antimony - Dissolved	50.2		ug/L	50.0		100	80-120				
Arsenic - Dissolved	48.5		"	50.0		97.0	80-120				
Beryllium - Dissolved	51.4		"	50.0		103	80-120				
Cadmium - Dissolved	47.1		"	50.0		94.2	80-120				
Selenium - Dissolved	46.5		"	50.0		92.9	80-120				
Thallium - Dissolved	49.5		"	50.0		99.0	80-120				

Duplicate (BG31764-DUP1)	Duplicate	*Source sample: 23G1449-05 (MW04_072523)					Prepared: 07/31/2023 Analyzed: 08/01/2023				
Antimony - Dissolved	ND	0.00111	mg/L		ND					20	
Arsenic - Dissolved	ND	0.00111	"		ND					20	
Beryllium - Dissolved	ND	0.000333	"		ND					20	
Cadmium - Dissolved	ND	0.000556	"		ND					20	
Selenium - Dissolved	0.00353	0.00111	"		0.00258				31.0	20	Non-dir.
Thallium - Dissolved	ND	0.00111	"		ND					20	

Matrix Spike (BG31764-MS1)	Matrix Spike	*Source sample: 23G1449-05 (MW04_072523)					Prepared: 07/31/2023 Analyzed: 08/01/2023				
Antimony - Dissolved	58.5		ug/L	50.0	0.131	117	75-125				
Arsenic - Dissolved	51.4		"	50.0	0.744	101	75-125				
Beryllium - Dissolved	45.7		"	50.0	0.0008	91.5	75-125				
Cadmium - Dissolved	48.1		"	50.0	0.022	96.3	75-125				
Selenium - Dissolved	53.6		"	50.0	2.33	103	75-125				
Thallium - Dissolved	46.4		"	50.0	-0.175	92.9	75-125				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30017 - EPA SW846-7470A

Blank (BH30017-BLK1)	Blank								Prepared & Analyzed: 08/01/2023		
Mercury	ND	0.0002	mg/L								
LCS (BH30017-BS1)	LCS								Prepared & Analyzed: 08/01/2023		
Mercury	0.0020471	0.0002	mg/L	0.00200		102	80-120				
Duplicate (BH30017-DUP1)	Duplicate	*Source sample: 23G1416-01 (Duplicate)							Prepared & Analyzed: 08/01/2023		
Mercury	0.0026310	0.0002	mg/L		0.0025181				4.38	20	
Matrix Spike (BH30017-MS1)	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)							Prepared & Analyzed: 08/01/2023		
Mercury	0.0044	0.0002	mg/L	0.00200	0.0025	92.5	75-125				
Matrix Spike Dup (BH30017-MS1)	Matrix Spike Dup	*Source sample: 23G1416-01 (Matrix Spike Dup)							Prepared & Analyzed: 08/01/2023		
Mercury	0.0044	0.0002	mg/L	0.00200	0.0025	96.4	75-125		1.78	200	

Batch BH30027 - EPA SW846-7470A

Blank (BH30027-BLK1)	Blank								Prepared & Analyzed: 08/01/2023		
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BH30027-BS1)	LCS								Prepared & Analyzed: 08/01/2023		
Mercury - Dissolved	0.0019	0.0002	mg/L	0.00200		96.0	80-120				
Duplicate (BH30027-DUP1)	Duplicate	*Source sample: 23G1416-01 (Duplicate)							Prepared & Analyzed: 08/01/2023		
Mercury - Dissolved	ND	0.0002	mg/L		ND					20	
Matrix Spike (BH30027-MS1)	Matrix Spike	*Source sample: 23G1416-01 (Matrix Spike)							Prepared & Analyzed: 08/01/2023		
Mercury - Dissolved	0.0023	0.0002	mg/L	0.00200	ND	115	75-125				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30027 - EPA SW846-7470A

Matrix Spike Dup (BH30027-1) Matrix Spike Dup						Source sample: 23G1416-01 (Matrix Spike Dup)						Prepared & Analyzed: 08/01/2023	
Mercury - Dissolved	0.0019	0.0002	mg/L	0.00200	ND	96.3	75-125		17.8	20			



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

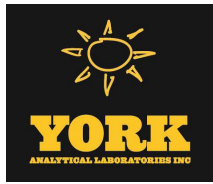
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG31439 - Analysis Preparation

Blank (BG31439-BLK1)	Blank								Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BG31439-BS1)	LCS								Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	0.502	0.0100	mg/L	0.500		100	85-115				
Duplicate (BG31439-DUP1)	Duplicate	*Source sample: 23G1450-01 (Duplicate)							Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BG31439-MS1)	Matrix Spike	*Source sample: 23G1450-01 (Matrix Spike)							Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	ND	0.0100	mg/L	0.500	ND		85-115	Low Bias			
Matrix Spike Dup (BG31439-MS1)	Matrix Spike Dup	*Source sample: 23G1450-01 (Matrix Spike Dup)							Prepared & Analyzed: 07/25/2023		
Chromium, Hexavalent	ND	0.0100	mg/L	0.500	ND		85-115	Low Bias		200	

Batch BH30053 - Analysis Preparation

Blank (BH30053-BLK1)	Blank								Prepared & Analyzed: 08/01/2023		
Cyanide, total	ND	0.0100	mg/L								
LCS (BH30053-BS1)	LCS								Prepared & Analyzed: 08/01/2023		
Cyanide, total	0.186	0.0100	mg/L	0.200		93.0	80-120				
Duplicate (BH30053-DUP1)	Duplicate	*Source sample: 23G1449-02 (MW02_072523)							Prepared & Analyzed: 08/01/2023		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BH30053-MS1)	Matrix Spike	*Source sample: 23G1449-02 (MW02_072523)							Prepared & Analyzed: 08/01/2023		
Cyanide, total	0.181	0.0100	mg/L	0.200	ND	90.5	79-105				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH30053 - Analysis Preparation

Matrix Spike Dup (BH30053-1) Matrix Spike Dup				Source sample: 23G1449-02 (MW02_072523)				Prepared & Analyzed: 08/01/2023			
Cyanide, total	0.192	0.0100	mg/L	0.200	ND	96.0	79-105		5.90	200	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23G1449-01	MW01_072523	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1449-02	MW02_072523	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1449-03	DUP01_072523	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1449-04	MW03_072523	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1449-05	MW04_072523	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1449-06	FB01_072523	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23G1449-07	TB01_072523	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.
S-08	The recovery of this surrogate was outside of QC limits.
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.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
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.

APPENDIX E

DATA USABILITY SUMMARY REPORTS

Technical Memorandum

Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 Soil Samples
Langan Project No.: 100964201
August 23, 2023 Page 1 of 17

To: Amanda Forsburg, Langan Associate

From: Joe Conboy, Langan Senior Staff Chemist

Date: August 23, 2023

Re: Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 Soil Samples
Langan Project No.: 100964201

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in July 2023 by Langan Engineering and Environmental Services for the portion of 40 Quay Street identified as Tax Block 2590 Current Lot 1 (Proposed Lot 1). 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
- PFAS by USEPA Method E1633
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D/6020B/7470/7473
- Hexavalent Chromium by SW-846 Method 7196A
- Cyanide by SM Method 4500
- 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

Technical Memorandum

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Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
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This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. Four (4) SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

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July 2023 Soil Samples
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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

23G0963

The sample SB03_3-5 exhibited a percent recovery above the UCL for the surrogate p-bromofluorobenzene (140%). The associated results are qualified as J because of potential high bias.

The LCS/LCSD for batch BG30853 exhibited percent recoveries below the LCL for tert-butylbenzene (77.8%, 75.8%) and tetrachloroethylene (72.6%, 70.8%). The associated results in samples SB01_2-4, SB01_7.5-9.5, SB02_3-5, SB03_3-5, SB04_0-2, and SB04_6-8 are qualified as UJ because of potential low bias.

The LCS for batch BG30853 exhibited a percent recovery below the LCL for 1,1-dichloropropylene (76.7%). The associated results in samples SB01_2-4, SB01_7.5-9.5, SB02_3-5, SB03_3-5, SB04_0-2, and SB04_6-8 are qualified as UJ because of potential low bias.

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The LCS for batch BG30863 exhibited a percent recovery below the LCL for tetrachloroethylene (79.4%). The associated results in sample SB03_0-2 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30863 exhibited a percent recovery below the LCL for trichlorofluoromethane (60.3%, 61.1%). The associated results in sample SB03_0-2 are qualified as UJ because of potential low bias.

23G1244

The MB for batch BG30861 exhibited a detection of acetone (0.0065 mg/kg). The associated detected results in sample SB07_8-10 are qualified as U at the reporting limit because of potential blank contamination.

The TB (TB02_071923) exhibited detections of acetone (7.17 ug/l) and methylene chloride (0.87 ug/l). The associated detected results in samples SB07_1-3, SB07_3-5, SB07_8-10, SB08_1-3, SB08_3-5, and SB08_7-9 are qualified as J or U at the reporting limit because of potential blank contamination. Non-detect results did not require qualification.

The LCS/LCSD for batch BG30860 exhibited a percent recovery below the LCL for tetrachloroethylene (79.5%, 78.8%). The associated results in samples SB08_7-9, SB07_1-3, SB07_3-5, SB08_1-3, and SB08_3-5 are qualified as UJ because of potential low bias.

The LCSD for batch BG30860 exhibited a percent recovery below the LCL for trichlorofluoromethane (60.9%). The associated results in samples SB08_7-9, SB07_1-3, SB07_3-5, SB08_1-3, and SB08_3-5 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30861 exhibited a percent recovery below the LCL for tetrachloroethylene (72.4%, 73.4%). The associated results in sample SB07_8-10 are qualified as UJ because of potential low bias.

23G1202

The TB (TB03_072023) exhibited a detection of acetone (7.12 ug/l) and methylene chloride (0.93 ug/l). The associated results in samples DUP02_072023, SB09_0-2, SB09_3-5, SB10_1-3, SB10_5-7, SB11_3-5, and SB11_7-9 are qualified as J because of potential blank contamination. Associated results that are >10X the contamination or non-detect require no qualification.

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The LCS/LCSD for batch BG30859 exhibited a percent recovery below the LCL for tetrachloroethylene (76.3%, 73.7%). The associated results in samples SB09_0-2, SB09_3-5, SB10_1-3, SB10_5-7, SB11_3-5, and SB11_7-9 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG30862 exhibited a percent recovery below the LCL for tetrachloroethylene (75.6%, 75%). The associated results in sample DUP02_072023 are qualified as UJ because of potential low bias.

SVOCs by SW-846 Method 8270D

23G0963

The LCS for batch BH30066 exhibited a percent recovery below the LCL for 4-nitroaniline (0%). The associated results in samples SB01_7.5-9.5, SB03_0-2, and SB04_6-8 are qualified as UJ because of potential low bias.

23G1244

The LCS for batch BH30120 exhibited a percent recovery below the LCL for 4-nitroaniline (0%). The associated results in samples SB08_7-9, SB07_1-3, SB07_3-5, and SB08_3-5 are qualified as UJ because of potential low bias.

23G1202

The LCS for batch BH30120 exhibited a percent recovery below the LCL for 4-nitroaniline (0%). The associated results in samples SB09_3-5 and SB11_7-9 are qualified as UJ because of potential low bias.

The sample SB10_1-3 exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (12%), phenol-d6 (16.5%), nitrobenzene-d5 (3%), and 2,4,6-tribromophenol (0%). The associated results from the second reanalysis are qualified as J because of potential low bias.

PFAS by USEPA Method E1633

23G0963

The sample SB01_2-4 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (3.21%), 13C5-perfluoropentanoic acid (21.3%), and sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (272%). The associated results are qualified as UJ because of potential low bias.

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The sample SB01_7.5-9.5 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.566%) and 13C5-perfluoropentanoic acid (1.46%). The associated results are qualified as UJ because of potential low bias.

The sample SB02_3-5 exhibited percent recoveries below the LCL for the isotope dilution standard 13C5-perfluorohexanoic acid (168%), 13C8-perfluorooctanesulfonate (151%), 13C9-perfluorononanoic acid (156%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (221%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (255%), M2-4:2 FTS (281%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (414%), and sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (301%). The associated results are qualified as UJ because of potential low bias.

The sample SB03_0-2 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.776%) and 13C5-perfluoropentanoic acid (6.28%). The associated results are qualified as UJ because of potential low bias.

The sample SB03_3-5 exhibited percent recoveries below the LCL for the isotope dilution standard 13C3-perfluorohexanesulfonic acid (164%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (154%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (194%), M2-4:2 FTS (238%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (281%), and perfluoro[2,3,4-13C3]butanesulfonic acid (M3PFBS) (162%). The associated results are qualified as UJ because of potential low bias.

The sample SB04_0-2 exhibited percent recoveries below the LCL for the isotope dilution standard 13C5-perfluorohexanoic acid (154%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (214%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (276%), M2-4:2 FTS (266%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (351%), and sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (315%). The associated results are qualified as UJ because of potential low bias.

The sample SB04_6-8 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.688%) and 13C5-perfluoropentanoic acid (2.8%). The associated results are qualified as UJ because of potential low bias.

The LCS for batch BG31064 exhibited percent recoveries below the LCL for perfluoro-1-decanesulfonic acid (PFDS) (28.1%), 11CL-PF3OUdS (24.5%), 9CL-PF3ONS (40.6%), perfluorododecanesulfonic acid (PFDoS) (30.1%), 3-perfluoroheptyl propanoic acid (FHpPA)

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(11.3%, 7.65%), and perfluoro-4-oxapentanoic acid (PFMPA) (34.6%). The associated results in samples SB02_3-5, SB03_3-5, and SB04_0-2 are qualified as UJ because of potential low bias.

The LCS for batch BG31400 exhibited percent recoveries outside of control limits for the majority of analytes (28.2 - 948%). Based on professional judgment, all associated results in sample SB01_2-4 are qualified as J or UJ because of potential low bias.

The LCS for batch BH30145 exhibited percent recoveries below the LCL for perfluoro-4-oxapentanoic acid (PFMPA) (15.1%, 10.8%), 11CL-PF3OUdS (48.3%, 40.1%), 9CL-PF3ONS (47.8%, 43.1%), and perfluoro-n-butanoic acid (PFBA) (32.4%). The associated results in samples SB01_7.5-9.5, SB03_0-2, and SB04_6-8 are qualified as UJ because of potential low bias.

23G1244

The sample SB07_1-3 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.724%) and 13C5-perfluoropentanoic acid (2.1%). The associated results are qualified as UJ because of potential low bias.

The sample SB07_3-5 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.876%) and 13C5-perfluoropentanoic acid (19.3%). The associated results are qualified as UJ because of potential low bias.

The sample SB07_8-10 exhibited percent recoveries above the UCL for the isotope dilution standard 13C3-perfluorohexanesulfonic acid (150%), 13C5-perfluorohexanoic acid (174%), 13C5-perfluoropentanoic acid (157%), 13C6-perfluorodecanoic acid (152%), M2-4:2 FTS (238%), 13C8-perfluorooctanesulfonamide (161%), 13C8-perfluorooctanesulfonate (165%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (243%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (285%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (417%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (310%), and perfluoro[2,3,4-13C3]butanesulfonic acid (M3PFBS) (161%). The associated results are qualified as UJ because of potential high bias.

The sample SB08_1-3 exhibited percent recoveries above the UCL for the isotope dilution standard 13c5-perfluorohexanoic acid (171%), 13C5-perfluoropentanoic acid (163%), 13C6-perfluorodecanoic acid (155%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (184%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (225%), M2-4:2 FTS (254%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (396%), and sodium

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1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (280%). The associated results are qualified as UJ because of potential high bias.

The sample SB08_3-5 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.823%) and 13c5-perfluoropentanoic acid (14.5%). The associated results are qualified as UJ because of potential low bias.

The sample SB08_7-9 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.704%) and 13c5-perfluoropentanoic acid (3.6%). The associated results are qualified as UJ because of potential low bias.

The LCS for batch BG31426 exhibited percent recoveries below the LCL for 3-perfluoroheptyl propanoic acid (FHpPA) (22.2%, 20.6%), N-EtFOSA (5.67%), and N-EtFOSAA (44.5%). The associated results in samples SB07_8-10 and SB08_1-3 are qualified as UJ because of potential low bias.

The LCS for batch BH30145 exhibited percent recoveries below the LCL for perfluoro-4-oxapentanoic acid (PFMPA) (15.1%, 10.8%), 11CL-PF3OUdS (48.3%, 40.1%), 9CL-PF3ONS (47.8%, 43.1%), and perfluoro-n-butanoic acid (pfba) (32.4%). The associated results in samples SB07_1-3, SB07_3-5, SB08_3-5, and SB08_7-9 are qualified as UJ because of potential low bias.

23G1202

The sample DUP02_072023 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5-perfluoropentanoic acid (153%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (163%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (205%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (272%), and sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (280%). The associated results are qualified as UJ because of potential high bias.

The sample SB09_0-2 exhibited percent recoveries above the UCL for the isotope dilution standard 13C4-perfluoroheptanoic acid (158%), 13C5-perfluorohexanoic acid (171%), 13C5-perfluoropentanoic acid (167%), 13C8-perfluorooctanesulfonate (157%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (206%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (235%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (244%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (293%), and m3-hexafluoropropylene oxide dimer acid (M3HFPO-DA) (152%). The associated results are qualified as J or UJ because of potential high bias.

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The sample SB09_3-5 exhibited percent recoveries below the LCL for the isotope dilution standard 13C5-perfluoropentanoic acid (5.78%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (161%), and 13C4-perfluorobutanoic acid (0.939%). The associated results are qualified as UJ because of potential low bias.

The sample SB10_1-3 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (15.8%), M2-4:2 FTS (191%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (361%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (290%), and perfluoro[2,3,4-13C3]butanesulfonic acid (M3PFBS) (152%). The associated results are qualified as UJ because of potential low bias.

The sample SB10_5-7 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.735%) and 13C5-perfluoropentanoic acid (1.44%). The associated results are qualified as UJ because of potential low bias.

The sample SB11_3-5 exhibited percent recoveries above the UCL for the isotope dilution standard 13C5-perfluorohexanoic acid (151%), 13C6-perfluorodecanoic acid (169%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (170%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (185%), and M2-4:2 FTS (165%). The associated results are qualified as UJ because of potential high bias.

The sample SB11_7-9 exhibited percent recoveries below the LCL for the isotope dilution standard 13C4-perfluorobutanoic acid (0.648%) and 13C5-perfluoropentanoic acid (1.41%). The associated results are qualified as UJ because of potential low bias.

The LCS for batch BG31426 exhibited percent recoveries below the LCL for 3-perfluoroheptyl propanoic acid (FHpPA) (22.2%, 20.6%) and N-EtFOSA (44.5%). The associated results in samples DUP02_072023, SB09_0-2, SB10_1-3, and SB11_3-5 are qualified as UJ because of potential low bias.

The LCS for batch BH30145 exhibited percent recoveries below the LCL for perfluoro-4-oxapentanoic acid (PFMPA) (15.1%, 10.8%), 11CL-PF3OUdS (48.3%, 40.1%), 9CL-PF3ONS (47.8%, 43.1%), and perfluoro-n-butanoic acid (PFBA) (32.4%). The associated results in samples SB09_3-5, SB10_5-7, and SB11_7-9 are qualified as J or UJ because of potential low bias.

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Herbicides by SW-846 Method 8151A

23G1202

The sample SB09_0-2 exhibited a percent recovery below the LCL for the surrogate 2,4-dichlorophenylacetic acid (18.8%). The associated results are qualified as UJ because of potential low bias.

Pesticides by SW-846 Method 8081B

23G1202

The sample SB10_1-3 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (22.2%). The associated results are qualified as J or UJ because of potential low bias.

The sample SB11_3-5 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDT (109.53%). The associated results are qualified as J because of potential indeterminate bias.

The sample SB10_1-3 exhibited a RPD above the control limit between the primary and secondary GC columns for gamma-chlordane (169.11%). The associated results are qualified as J because of potential indeterminate bias.

The sample SB09_3-5 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDT (71.1%). The associated results are qualified as J because of potential indeterminate bias.

The sample SB10_1-3 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (2C) (20.8%). The associated results are qualified as J or UJ because of potential low bias.

The sample SB09_0-2 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (2C) (25.9%). The associated results are qualified as UJ because of potential low bias.

The sample DUP02_072023 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (2C) (28.3%). The associated results are qualified as UJ because of potential low bias.

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Metals by SW-846 Method 6010D/6020B/7470/7473

23G0963

The FB (FB01_071823) exhibited a detection of magnesium (0.0863 mg/l), nickel (0.0178 mg/l), potassium (0.0631 mg/l), zinc (0.0278 mg/l), and calcium (0.298 mg/l). The associated detected results in samples SB01_2-4, SB01_7.5-9.5, SB02_3-5, SB03_0-2, SB03_3-5, SB04_0-2, and SB04_6-8 are qualified as J because of potential blank contamination. Sample results greater than 10x blank concentration do not require qualification.

The LCS for batch BG31408 exhibited a percent recovery below the LCL for selenium (65.7%). The associated results in samples SB01_2-4, SB02_3-5, SB03_3-5, and SB04_0-2 are qualified as UJ because of potential low bias.

The LCS for batch BH30315 exhibited a percent recovery below the LCL for selenium (60.1%). The associated results in samples SB01_7.5-9.5, SB03_0-2, and SB04_6-8 are qualified as UJ because of potential low bias.

23G1244

The LCS for batch BG31576 exhibited a percent recovery above the UCL for copper (129%). The associated results in samples SB07_8-10 and SB08_1-3 are qualified as J because of potential high bias.

The LCS for batch BH30315 exhibited a percent recovery below the LCL for selenium (60.1%). The associated results in samples SB07_1-3, SB07_3-5, SB08_3-5, and SB08_7-9 are qualified as UJ because of potential low bias.

23G1202

The laboratory duplicate and parent sample (SB09_0-2) exhibited RPDs above the control limit for arsenic (35.9%), calcium (47.2%), iron (46.1%), magnesium (40.2%), manganese (59.1%), and thallium (73.2%). The associated results are qualified as J because of potential indeterminate bias.

The MS performed on sample SB09_0-2 exhibited percent recoveries above the UCL for vanadium (148%), arsenic (132%), barium (135%), beryllium (140%), cadmium (131%), chromium (146%), cobalt (137%), copper (165%), and nickel (153%). The associated results in sample SB09_0-2 are qualified as J because of potential high bias.

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The MS performed on sample SB09_0-2 exhibited percent recoveries below the LCL for silver (44.7%) and antimony (19.6%). The associated results in sample SB09_0-2 are qualified as J or UJ because of potential low bias.

The LCS for batch BG31522 exhibited a percent recovery above the UCL for copper (130%). The associated results in samples SB09_0-2, SB10_1-3, and SB11_3-5 are qualified as J because of potential high bias.

The LCS for batch BG31576 exhibited a percent recovery above the UCL for copper (129%). The associated results in sample DUP02_072023 are qualified as J because of potential high bias.

The LCS for batch BH30315 exhibited a percent recovery below the LCL for selenium (60.1%). The associated results in samples SB09_3-5, SB10_5-7, and SB11_7-9 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. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

23G1202

The FB (FB02_072023) exhibited a detection of chloroform (0.69 ug/l). The associated results are non-detect. No qualification is necessary.

SVOCs by SW-846 Method 8270D

23G0963

The sample SB01_7.5-9.5 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (152%). No more than one surrogate from a single was fraction recovered outside of the control limits. No qualification is necessary.

The LCS for batch BH30066 exhibited a percent recovery above the UCL for 4,6-dinitro-2-methylphenol (159%). The associated results are non-detect. No qualification is necessary.

The MSD performed on sample SB04_6-8 exhibited a percent recovery below the LCL for benzoic acid (9.92%). Organic results are not qualified on the basis of MSD recoveries alone. No qualification is necessary.

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The MS/MSD performed on sample SB04_6-8 exhibited a percent recovery below the LCL for aniline (0%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MS/MSD performed on sample SB04_6-8 exhibited RPDs above the control limit for 2-methylphenol (60.7%) and benzoic acid (34.6%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The sample SB01_2-4 (RE1) exhibited a percent recovery below the LCL for the surrogate terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

The sample SB01_2-4 (RE2) exhibited percent recoveries below the LCL for the surrogates 2-fluorophenol (0%), nitrobenzene-d5 (0%), 2,4,6-tribromophenol (0%), and terphenyl-d14 (0%). The sample was diluted >10X. No qualification is necessary.

The sample SB02_3-5 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (157%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

The sample SB01_2-4 (RE2) exhibited percent recoveries below the LCL for the surrogates phenol-d6 (0%), nitrobenzene-d5 (8%), and 2,4,6-tribromophenol (8%). The sample was diluted >10X. No qualification is necessary.

23G1244

The sample SB07_8-10 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (124%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

The sample SB07_8-10 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (114%). The sample was diluted >10X. No qualification is necessary.

The LCS for batch BG31567 exhibited percent recoveries above the UCL for 1,2,4,5-tetrachlorobenzene (140%), 2,4,5-trichlorophenol (120%), and 4,6-dinitro-2-methylphenol (150%). The associated results are non-detect. No qualification is necessary.

The sample SB08_1-3 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (210%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

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The LCS for batch BH30120 exhibited a percent recovery above the UCL for 4,6-dinitro-2-methylphenol (156%). The associated results are non-detect. No qualification is necessary.

The sample SB07_8-10 exhibited percent recoveries above the UCL for the surrogates nitrobenzene-d5 (124%) and 2,4,6-tribromophenol (253%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

23G1202

The FB (FB02_072023) exhibited a detection of bis(2-ethylhexyl) phthalate (2.97 ug/l). The associated results are non-detect. No qualification is necessary.

The sample SB10_1-3 exhibited a percent recovery below the LCL for the surrogate 2,4,6-tribromophenol (8.94%). No more than one surrogate from a single was fraction recovered outside of the control limits. No qualification is necessary.

The sample SB11_3-5 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (128%). No more than one surrogate from a single was fraction recovered outside of the control limits. No qualification is necessary.

The LCS/LCSD for batch BG31567 exhibited percent recoveries above the UCL for 1,2,4,5-tetrachlorobenzene (140%), 2,4,5-trichlorophenol (120%), and 4,6-dinitro-2-methylphenol (150%). The associated results are non-detect. No qualification is necessary.

The LCS for batch BH30120 exhibited a percent recovery above the UCL for 4,6-dinitro-2-methylphenol (156%). The associated results are non-detect. No qualification is necessary.

The sample SB10_1-3 (reanalysis) exhibited a percent recovery below the LCL for the surrogate 2,4,6-tribromophenol (2.1%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

PFAS by USEPA Method E1633

23G0963

The FB (FB01_071823) exhibited a detection of perfluorobutanoic acid (0.357 ng/l). The associated results are non-detect. No qualification is necessary.

The LCS for batch BG31064 exhibited a percent recovery above the UCL for 3-perfluoropropyl propanoic acid (FPrPA) (246%, 330%). The associated results are non-detect. No qualification is necessary.

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The LCS for batch BH30145 exhibited percent recoveries above the UCL for perfluoroundecanoic acid (PFUnA) (159%), 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS) (152%), N-MeFOSA (156%), perfluoro-5-oxahexanoic acid (PFMBA) (429%, 310%), and perfluoro-1-pentanesulfonate (PFPeS) (164%). The associated results are non-detect. No qualification is necessary.

23G1244

The LCS for batch BG31426 exhibited percent recoveries above the UCL for 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS) (293%, 187%), perfluoro-1-pentanesulfonate (PFPeS) (170%), 3-perfluoropropyl propanoic acid (FPRPA) (305%, 396%), and perfluoroundecanoic acid (PFUnA) (163%). The associated results are non-detect. No qualification is necessary.

The LCS for batch BH30145 exhibited percent recoveries above the UCL for perfluoroundecanoic acid (PFUnA) (159%), 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS) (152%), perfluoro-5-oxahexanoic acid (PFMBA) (429%, 310%), perfluoro-1-pentanesulfonate (PFPeS) (164%), and N-MeFOSA (156%). The associated results are non-detect. No qualification is necessary.

23G1202

The FB (EB03_072023) exhibited a detection of perfluorotridecanoic acid (PFTriA/PFTTrDA) (2.64 ng/l). The associated results are non-detect. No qualification is necessary.

The FB (FB02_072023) exhibited detections of perfluorobutanoic acid (0.367 ng/l) and perfluorononanoic acid (PFNA) (2.33 ng/l). The associated results are non-detect. No qualification is necessary.

The LCS for batch BG31426 exhibited percent recoveries above the UCL for 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS) (293%, 187%), perfluoro-1-pentanesulfonate (PFPeS) (170%), 3-perfluoropropyl propanoic acid (FPrPA) (305%, 396%), and perfluoroundecanoic acid (PFUnA) (163%). The associated results are non-detect. No qualification is necessary.

The LCS for batch BH30145 exhibited percent recoveries above the UCL for perfluoroundecanoic acid (PFUnA) (159%), 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS) (152%), perfluoro-5-oxahexanoic acid (PFMBA) (429%, 310%), perfluoro-1-pentanesulfonate (PFPeS) (164%), and n-mefosa (156%). The associated results are non-detect. No qualification is necessary.

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Herbicides by SW-846 Method 8151A

23G1202

The MS/MSD performed on sample SB09_3-5 exhibited RPDs above the control limit for 2,4,5-T (43%), 2,4,5-TP (41%), and 2,4-D (52.6%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

Metals by SW-846 Method 6010D/6020B/7470/7473

23G0963

The MB for batch BG31408 exhibited a detection of potassium (10.4 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

23G1244

The MB for batch BG31576 exhibited a detection of potassium (15.4 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

23G1202

The MB for batch BG31576 exhibited a detection of potassium (15.4 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The FB (FB02_072023) exhibited detections of potassium (0.191 mg/l) and calcium (0.158 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample SB09_0-2 exhibited percent recoveries outside of control limits for aluminum (0%), calcium (0%), iron (0%), lead (177%), magnesium (0%), manganese (0%), potassium (592%), and sodium (140%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

FIELD DUPLICATES:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 2X$ 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 the precision criteria:

- DUP01_071923 and SB08_7-9

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- DUP02_072023 and SB09_0-2

The field duplicate and parent sample (DUP02_072023 and SB09_0-2) exhibited RPDs above the control limit for magnesium (84.1 %) and manganese (63.8%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (DUP02_072023 and SB09_0-2) exhibited absolute differences above the RL for fluoranthene (3.16 mg/kg), phenanthrene (3.327 mg/kg), pyrene (2.22 mg/kg), and thallium (5.26 mg/kg). 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

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Table 1: Sample Summary

Analytical Parameters				VOCs	SVOCs	SVOCs SIM	PFAS	Herbicides	PCBs
SDG	Lab Sample ID	Client ID	Sample Date	SW8260	SW8270	SW8270DSIM	E1633	SW8151	SW8082
23G1244	23G1244-05	SB07_1-3	2023/07/19	x	x	x	x	x	x
23G1244	23G1244-06	SB07_3-5	2023/07/19	x	x	x	x	x	x
23G1244	23G1244-07	SB07_8-10	2023/07/19	x	x	x	x	x	x
23G1244	23G1244-08	SB08_1-3	2023/07/19	x	x	x	x	x	x
23G1244	23G1244-09	SB08_3-5	2023/07/19	x	x	x	x	x	x
23G1244	23G1244-10	SB08_7-9	2023/07/19	x	x	x	x	x	x
23G1244	23G1244-01	TB02_071923	2023/07/19	x					
23G1202	23G1202-09	DUP02_072023	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-12	FB02_072023	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-06	SB09_0-2	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-07	SB09_3-5	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-04	SB10_1-3	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-05	SB10_5-7	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-02	SB11_3-5	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-03	SB11_7-9	2023/07/20	x	x	x	x	x	x
23G1202	23G1202-11	TB03_072023	2023/07/20	x					
23G0963	23G0963-01	FB01_071823	2023/07/18		x	x	x	x	x
23G0963	23G0963-03	SB01_2-4	2023/07/18	x	x	x	x	x	x
23G0963	23G0963-04	SB01_7.5-9.5	2023/07/18	x	x	x	x	x	x
23G0963	23G0963-06	SB02_3-5	2023/07/18	x	x	x	x	x	x
23G0963	23G0963-08	SB03_0-2	2023/07/18	x	x	x	x	x	x
23G0963	23G0963-09	SB03_3-5	2023/07/18	x	x	x	x	x	x
23G0963	23G0963-11	SB04_0-2	2023/07/18	x	x	x	x	x	x
23G0963	23G0963-12	SB04_6-8	2023/07/18	x	x	x	x	x	x

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Analytical Parameters				Pesticides	Metals	Hexavalent Chromium	Cyanide	Trivalent Chromium
SDG	Lab Sample ID	Client ID	Sample Date	SW8081	6010D/6020B 7470/7473	SW7196	SM4500	CALC
23G1244	23G1244-05	SB07_1-3	2023/07/19	x	x	x	x	x
23G1244	23G1244-06	SB07_3-5	2023/07/19	x	x	x	x	x
23G1244	23G1244-07	SB07_8-10	2023/07/19	x	x	x	x	x
23G1244	23G1244-08	SB08_1-3	2023/07/19	x	x	x	x	x
23G1244	23G1244-09	SB08_3-5	2023/07/19	x	x	x	x	x
23G1244	23G1244-10	SB08_7-9	2023/07/19	x	x	x	x	x
23G1244	23G1244-01	TB02_071923	2023/07/19					
23G1202	23G1202-09	DUP02_072023	2023/07/20	x	x	x	x	x
23G1202	23G1202-12	FB02_072023	2023/07/20	x	x	x	x	x
23G1202	23G1202-06	SB09_0-2	2023/07/20	x	x	x	x	x
23G1202	23G1202-07	SB09_3-5	2023/07/20	x	x	x	x	x
23G1202	23G1202-04	SB10_1-3	2023/07/20	x	x	x	x	x
23G1202	23G1202-05	SB10_5-7	2023/07/20	x	x	x	x	x
23G1202	23G1202-02	SB11_3-5	2023/07/20	x	x	x	x	x
23G1202	23G1202-03	SB11_7-9	2023/07/20	x	x	x	x	x
23G1202	23G1202-11	TB03_072023	2023/07/20					
23G0963	23G0963-01	FB01_071823	2023/07/18	x	x	x	x	x
23G0963	23G0963-03	SB01_2-4	2023/07/18	x	x	x	x	x
23G0963	23G0963-04	SB01_7.5-9.5	2023/07/18	x	x	x	x	x
23G0963	23G0963-06	SB02_3-5	2023/07/18	x	x	x	x	x
23G0963	23G0963-08	SB03_0-2	2023/07/18	x	x	x	x	x
23G0963	23G0963-09	SB03_3-5	2023/07/18	x	x	x	x	x
23G0963	23G0963-11	SB04_0-2	2023/07/18	x	x	x	x	x
23G0963	23G0963-12	SB04_6-8	2023/07/18	x	x	x	x	x

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SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G1244	SB07_1-3	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1244	SB07_1-3	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1244	SB07_1-3	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1244	SB07_1-3	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1244	SB07_1-3	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1244	SB07_1-3	SW6010	7782-49-2	NA	Selenium	UJ
23G1244	SB07_1-3	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1244	SB07_1-3	SW8260	67-64-1	NA	Acetone	J
23G1244	SB07_1-3	SW8260	75-69-4	NA	Trichlorofluoromethane	UJ
23G1244	SB07_1-3	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1244	SB07_3-5	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1244	SB07_3-5	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1244	SB07_3-5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1244	SB07_3-5	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1244	SB07_3-5	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1244	SB07_3-5	SW6010	7782-49-2	NA	Selenium	UJ
23G1244	SB07_3-5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1244	SB07_3-5	SW8260	67-64-1	NA	Acetone	U (0.014)
23G1244	SB07_3-5	SW8260	75-69-4	NA	Trichlorofluoromethane	UJ
23G1244	SB07_3-5	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1244	SB07_8-10	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1244	SB07_8-10	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1244	SB07_8-10	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1244	SB07_8-10	SW6010	7440-50-8	NA	Copper	J
23G1244	SB07_8-10	SW8260	67-64-1	NA	Acetone	U (0.88)
23G1244	SB07_8-10	SW8260	79-01-6	NA	Trichloroethylene (TCE)	UJ
23G1244	SB08_1-3	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1244	SB08_1-3	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1244	SB08_1-3	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	J
23G1244	SB08_1-3	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1244	SB08_1-3	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1244	SB08_1-3	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	J
23G1244	SB08_1-3	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1244	SB08_1-3	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1244	SB08_1-3	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1244	SB08_1-3	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1244	SB08_1-3	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1244	SB08_1-3	SW6010	7440-50-8	NA	Copper	J
23G1244	SB08_1-3	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ

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23G1244	SB08_1-3	SW8260	67-64-1	NA	Acetone	J
23G1244	SB08_1-3	SW8260	75-69-4	NA	Trichlorofluoromethane	UJ
23G1244	SB08_3-5	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1244	SB08_3-5	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1244	SB08_3-5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1244	SB08_3-5	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1244	SB08_3-5	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1244	SB08_3-5	SW6010	7782-49-2	NA	Selenium	UJ
23G1244	SB08_3-5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1244	SB08_3-5	SW8260	75-69-4	NA	Trichlorofluoromethane	UJ
23G1244	SB08_3-5	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1244	SB08_7-9	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1244	SB08_7-9	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1244	SB08_7-9	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1244	SB08_7-9	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1244	SB08_7-9	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1244	SB08_7-9	SW6010	7782-49-2	NA	Selenium	UJ
23G1244	SB08_7-9	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1244	SB08_7-9	SW8260	67-64-1	NA	Acetone	J
23G1244	SB08_7-9	SW8260	75-69-4	NA	Trichlorofluoromethane	UJ
23G1244	SB08_7-9	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1202	DUP02_072023	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1202	DUP02_072023	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1202	DUP02_072023	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1202	DUP02_072023	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1202	DUP02_072023	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1202	DUP02_072023	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1202	DUP02_072023	SW6010	7440-50-8	NA	Copper	J
23G1202	DUP02_072023	SW8081	5566-34-7	NA	gamma-Chlordane	UJ
23G1202	DUP02_072023	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	DUP02_072023	SW8260	67-64-1	NA	Acetone	J
23G1202	SB09_3-5	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1202	SB09_3-5	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1202	SB09_3-5	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1202	SB09_3-5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1202	SB09_3-5	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1202	SB09_3-5	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1202	SB09_0-2	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ

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SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G1202	SB09_0-2	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1202	SB09_0-2	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1202	SB09_0-2	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1202	SB09_0-2	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1202	SB09_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1202	SB09_0-2	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1202	SB09_0-2	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	J
23G1202	SB09_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1202	SB09_0-2	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G1202	SB09_0-2	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1202	SB09_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1202	SB09_0-2	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1202	SB09_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1202	SB09_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1202	SB09_0-2	SW6010	7439-89-6	NA	Iron	J
23G1202	SB09_0-2	SW6010	7439-95-4	NA	Magnesium	J
23G1202	SB09_0-2	SW6010	7439-96-5	NA	Manganese	J
23G1202	SB09_0-2	SW6010	7440-02-0	NA	Nickel	J
23G1202	SB09_0-2	SW6010	7440-22-4	NA	Silver	UJ
23G1202	SB09_0-2	SW6010	7440-28-0	NA	Thallium	J
23G1202	SB09_0-2	SW6010	7440-36-0	NA	Antimony	J
23G1202	SB09_0-2	SW6010	7440-38-2	NA	Arsenic	J
23G1202	SB09_0-2	SW6010	7440-39-3	NA	Barium	J
23G1202	SB09_0-2	SW6010	7440-41-7	NA	Beryllium	J
23G1202	SB09_0-2	SW6010	7440-47-3	NA	Chromium, Total	J
23G1202	SB09_0-2	SW6010	7440-48-4	NA	Cobalt	J
23G1202	SB09_0-2	SW6010	7440-50-8	NA	Copper	J
23G1202	SB09_0-2	SW6010	7440-62-2	NA	Vanadium	J
23G1202	SB09_0-2	SW6010	7440-70-2	NA	Calcium	J
23G1202	SB09_0-2	SW8081	5566-34-7	NA	gamma-Chlordane	UJ
23G1202	SB09_0-2	SW8151	93-72-1	NA	Silvex (2,4,5-TP)	UJ
23G1202	SB09_0-2	SW8151	93-76-5	NA	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1202	SB09_0-2	SW8151	94-75-7	NA	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1202	SB09_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	SB09_0-2	SW8260	67-64-1	NA	Acetone	J
23G1202	SB10_1-3	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1202	SB10_1-3	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1202	SB09_3-5	SW6010	7782-49-2	NA	Selenium	UJ

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Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G1202	SB09_3-5	SW8081	50-29-3	NA	P,P'-DDT	J
23G1202	SB09_3-5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	SB09_3-5	SW8260	67-64-1	NA	Acetone	J
23G1202	SB09_3-5	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G1202	SB10_1-3	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1202	SB10_1-3	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G1202	SB10_1-3	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1202	SB10_1-3	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1202	SB10_1-3	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1202	SB10_1-3	SW6010	7440-50-8	NA	Copper	J
23G1202	SB10_1-3	SW8081	1024-57-3	NA	Heptachlor Epoxide	UJ
23G1202	SB10_1-3	SW8081	1031-07-8	NA	Endosulfan Sulfate	UJ
23G1202	SB10_1-3	SW8081	309-00-2	NA	Aldrin	UJ
23G1202	SB10_1-3	SW8081	319-84-6	NA	Alpha Bhc (Alpha Hexachlorocyclohexane)	UJ
23G1202	SB10_1-3	SW8081	319-85-7	NA	Beta Bhc (Beta Hexachlorocyclohexane)	UJ
23G1202	SB10_1-3	SW8081	319-86-8	NA	Delta BHC (Delta Hexachlorocyclohexane)	UJ
23G1202	SB10_1-3	SW8081	33213-65-9	NA	Beta Endosulfan	UJ
23G1202	SB10_1-3	SW8081	50-29-3	NA	P,P'-DDT	UJ
23G1202	SB10_1-3	SW8081	5103-71-9	NA	cis-Chlordane	J
23G1202	SB10_1-3	SW8081	53494-70-5	NA	Endrin Ketone	UJ
23G1202	SB10_1-3	SW8081	57-74-9	NA	Chlordane	UJ
23G1202	SB10_1-3	SW8081	58-89-9	NA	Gamma Bhc (Lindane)	UJ
23G1202	SB10_1-3	SW8081	60-57-1	NA	Dieldrin	UJ
23G1202	SB10_1-3	SW8081	72-20-8	NA	Endrin	UJ
23G1202	SB10_1-3	SW8081	72-43-5	NA	Methoxychlor	UJ
23G1202	SB10_1-3	SW8081	72-54-8	NA	P,P'-DDD	J
23G1202	SB10_1-3	SW8081	72-55-9	NA	P,P'-DDE	J
23G1202	SB10_1-3	SW8081	7421-93-4	NA	Endrin Aldehyde	UJ
23G1202	SB10_1-3	SW8081	76-44-8	NA	Heptachlor	UJ
23G1202	SB10_1-3	SW8081	8001-35-2	NA	Toxaphene	UJ
23G1202	SB10_1-3	SW8081	959-98-8	NA	Alpha Endosulfan	UJ
23G1202	SB10_1-3	SW8081	5566-34-7	NA	gamma-Chlordane	J
23G1202	SB10_1-3	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	SB10_1-3	SW8260	67-64-1	NA	Acetone	J
23G1202	SB10_1-3	SW8270	129-00-0	NA	Pyrene	J
23G1202	SB10_1-3	SW8270	205-99-2	NA	Benzo(B)Fluoranthene	J
23G1202	SB10_1-3	SW8270	206-44-0	NA	Fluoranthene	J
23G1202	SB10_1-3	SW8270	85-01-8	NA	Phenanthrene	J

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SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G1202	SB10_5-7	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1202	SB10_5-7	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1202	SB10_5-7	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1202	SB10_5-7	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1202	SB10_5-7	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1202	SB10_5-7	SW6010	7782-49-2	NA	Selenium	J
23G1202	SB10_5-7	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	SB11_3-5	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1202	SB11_3-5	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1202	SB11_3-5	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1202	SB11_3-5	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G1202	SB11_3-5	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G1202	SB11_3-5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1202	SB11_3-5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1202	SB11_3-5	SW6010	7440-50-8	NA	Copper	J
23G1202	SB11_3-5	SW8081	50-29-3	NA	P,P'-DDT	J
23G1202	SB11_3-5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	SB11_3-5	SW8260	67-64-1	NA	Acetone	J
23G1202	SB11_7-9	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G1202	SB11_7-9	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G1202	SB11_7-9	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	J
23G1202	SB11_7-9	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G1202	SB11_7-9	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G1202	SB11_7-9	SW6010	7782-49-2	NA	Selenium	UJ
23G1202	SB11_7-9	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G1202	SB11_7-9	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G0963	SB01_2-4	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB01_2-4	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0963	SB01_2-4	E1633	4151-50-2	NA	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G0963	SB01_2-4	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G0963	SB01_2-4	E1633	72629-94-8	NA	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G0963	SB01_2-4	E1633	754-91-6	NA	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G0963	SB01_2-4	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB01_7.5-9.5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB01_7.5-9.5	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB01_7.5-9.5	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G0963	SB01_7.5-9.5	SW6010	7440-02-0	NA	Nickel	J
23G0963	SB01_7.5-9.5	SW6010	7440-66-6	NA	Zinc	J

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SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G0963	SB01_7.5-9.5	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB01_2-4	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G0963	SB01_2-4	E1633	13252-13-6	NA	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G0963	SB01_2-4	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G0963	SB01_2-4	E1633	1691-99-2	NA	N-ethyl perfluorooctanesulfonamidoethanol (NETFOSE)	UJ
23G0963	SB01_2-4	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0963	SB01_2-4	E1633	2058-94-8	NA	Perfluoroundecanoic Acid (PFUnA)	UJ
23G0963	SB01_2-4	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G0963	SB01_2-4	E1633	24448-09-7	NA	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G0963	SB01_2-4	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0963	SB01_2-4	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G0963	SB01_2-4	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0963	SB01_2-4	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	UJ
23G0963	SB01_2-4	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	J
23G0963	SB01_2-4	E1633	307-55-1	NA	Perfluorododecanoic acid (PFDoA)	UJ
23G0963	SB01_2-4	E1633	31506-32-8	NA	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G0963	SB01_2-4	E1633	335-67-1	NA	Perfluorooctanoic acid (PFOA)	UJ
23G0963	SB01_2-4	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0963	SB01_2-4	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0963	SB01_2-4	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0963	SB01_2-4	E1633	356-02-5	NA	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G0963	SB01_2-4	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0963	SB01_2-4	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0963	SB01_2-4	E1633	375-85-9	NA	Perfluoroheptanoic acid (PFHpA)	UJ
23G0963	SB01_2-4	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0963	SB01_2-4	E1633	375-95-1	NA	Perfluorononanoic acid (PFNA)	UJ
23G0963	SB01_2-4	E1633	376-06-7	NA	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G0963	SB01_2-4	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0963	SB01_2-4	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G0963	SB01_2-4	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0963	SB01_2-4	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0963	SB01_2-4	E1633	863090-89-5	NA	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G0963	SB01_2-4	E1633	914637-49-3	NA	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G0963	SB01_2-4	E1633	919005-14-4	NA	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G0963	SB01_2-4	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB01_2-4	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB01_2-4	SW8260	563-58-6	NA	1,1-Dichloropropene	UJ
23G0963	SB01_2-4	SW8260	98-06-6	NA	T-Butylbenzene	UJ

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SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G0963	SB01_7.5-9.5	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0963	SB01_7.5-9.5	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0963	SB01_7.5-9.5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB01_7.5-9.5	SW8260	563-58-6	NA	1,1-Dichloropropene	UJ
23G0963	SB01_7.5-9.5	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0963	SB01_7.5-9.5	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G0963	SB02_3-5	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G0963	SB02_3-5	E1633	1763-23-1	NA	Perfluorooctanesulfonic acid (PFOS)	UJ
23G0963	SB02_3-5	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G0963	SB02_3-5	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0963	SB02_3-5	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G0963	SB02_3-5	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0963	SB02_3-5	E1633	335-76-2	NA	Perfluorodecanoic acid (PFDA)	UJ
23G0963	SB02_3-5	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0963	SB02_3-5	E1633	375-92-8	NA	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G0963	SB02_3-5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB02_3-5	E1633	68259-12-1	NA	Perfluorononanesulfonic Acid (PFNS)	UJ
23G0963	SB02_3-5	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB02_3-5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0963	SB02_3-5	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G0963	SB02_3-5	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0963	SB02_3-5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0963	SB02_3-5	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB02_3-5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB02_3-5	SW8260	563-58-6	NA	1,1-Dichloropropene	UJ
23G0963	SB02_3-5	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0963	SB03_0-2	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0963	SB03_0-2	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0963	SB03_0-2	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB03_0-2	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB03_0-2	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G0963	SB03_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB03_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB03_0-2	SW8260	75-69-4	NA	Trichlorofluoromethane	UJ
23G0963	SB03_0-2	SW8270	100-01-6	NA	4-Nitroaniline	UJ
23G0963	SB03_3-5	E1633	113507-82-7	NA	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G0963	SB03_3-5	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G0963	SB03_3-5	E1633	2706-91-4	NA	Perfluoropentanesulfonic Acid (PFPeS)	UJ

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SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G0963	SB03_3-5	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0963	SB03_3-5	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G0963	SB03_3-5	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0963	SB03_3-5	E1633	355-46-4	NA	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G0963	SB03_3-5	E1633	375-73-5	NA	Perfluorobutanesulfonic acid (PFBS)	UJ
23G0963	SB03_3-5	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB03_3-5	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB03_3-5	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0963	SB03_3-5	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G0963	SB03_3-5	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0963	SB03_3-5	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0963	SB03_3-5	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB03_3-5	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB03_3-5	SW8260	563-58-6	NA	1,1-Dichloropropene	UJ
23G0963	SB03_3-5	SW8260	67-64-1	NA	Acetone	J
23G0963	SB03_3-5	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0963	SB04_0-2	E1633	151772-58-6	NA	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G0963	SB04_0-2	E1633	2355-31-9	NA	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G0963	SB04_0-2	E1633	27619-97-2	NA	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G0963	SB04_0-2	E1633	2991-50-6	NA	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G0963	SB04_0-2	E1633	307-24-4	NA	Perfluorohexanoic acid (PFHxA)	UJ
23G0963	SB04_0-2	E1633	335-77-3	NA	Perfluorodecanesulfonic acid (PFDS)	UJ
23G0963	SB04_0-2	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB04_0-2	E1633	39108-34-4	NA	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G0963	SB04_0-2	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB04_0-2	E1633	757124-72-4	NA	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G0963	SB04_0-2	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ
23G0963	SB04_0-2	E1633	79780-39-5	NA	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G0963	SB04_0-2	E1633	812-70-4	NA	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G0963	SB04_0-2	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB04_0-2	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB04_0-2	SW8260	563-58-6	NA	1,1-Dichloropropene	UJ
23G0963	SB04_0-2	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0963	SB04_6-8	E1633	2706-90-3	NA	Perfluoropentanoic Acid (PFPeA)	UJ
23G0963	SB04_6-8	E1633	375-22-4	NA	Perfluorobutanoic Acid	UJ
23G0963	SB04_6-8	E1633	377-73-1	NA	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G0963	SB04_6-8	E1633	756426-58-1	NA	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	UJ
23G0963	SB04_6-8	E1633	763051-92-9	NA	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	UJ

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Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Total/ Dissolved	Analyte	Validator Qualifier
23G0963	SB04_6-8	SW6010	7440-02-0	NA	Nickel	J
23G0963	SB04_6-8	SW6010	7782-49-2	NA	Selenium	UJ
23G0963	SB04_6-8	SW8260	127-18-4	NA	Tetrachloroethylene (PCE)	UJ
23G0963	SB04_6-8	SW8260	563-58-6	NA	1,1-Dichloropropene	UJ
23G0963	SB04_6-8	SW8260	98-06-6	NA	T-Butylbenzene	UJ
23G0963	SB04_6-8	SW8270	100-01-6	NA	4-Nitroaniline	UJ

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To: Amanda Forsburg, Langan Associate

From: Joe Conboy, Langan Senior Staff Chemist

Date: August 23, 2023

Re: Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 Groundwater Samples
Langan Project No.: 100964201

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in July 2023 by Langan Engineering and Environmental Services for the portion of Quay Street identified as Tax Block 2590 Current Lot 1 (Proposed Lot 1). 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, total and dissolved 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/8270DSIM
- PFAS by USEPA Method 1633
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Total and Dissolved Metals by SW-846 Method 6010D/6020B/7470
- Cyanide by Standard Method SM4500
- 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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VALIDATION OVERVIEW

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program “National Functional Guidelines for Organic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program “National Functional Guidelines for Inorganic Superfund Methods Data Review” (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. 1 SDG 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.

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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.
- 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

23G1449

The FB (FB01_072523) exhibited a detection of chloroform (0.700 ug/l). The associated detected results in samples DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as J because of potential blank contamination. Non-detect results do not require qualification.

The LCS/LCSD for batch BH30198 exhibited percent recoveries below the LCL for bromodichloromethane (75.8%, 77.8%), bromoform (69.9%, 70.6%), cyclohexane (45.4%, 48.8%), and trans-1,3-dichloropropylene (74.1%, 74.7%). The associated results in samples MW02_072523 and MW04_072523 are qualified as J or UJ because of potential low bias.

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The LCSD for batch BH30198 exhibited a percent recovery below the LCL for hexachlorobutadiene (62.7%). The associated results in samples MW02_072523 and MW04_072523 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BH30199 exhibited percent recoveries below the LCL for bromodichloromethane (75.8%, 74.5%), bromoform (64.2%, 63.6%), cyclohexane (48.2%, 46.8%), dibromochloromethane (77.2%, 75.3%), hexachlorobutadiene (62.2%, 64.3%), and trans-1,3-dichloropropylene (74.6%, 71.7%). The associated results in samples DUP01_072523 and MW03_072523 are qualified as UJ because of potential low bias.

SVOCs by SW-846 Method 8270D/8270DSIM

23G1449

The MB for batch BG31686 exhibited a detection of bis(2-ethylhexyl) phthalate (0.580 ug/l) and naphthalene (0.0500 ug/l). The associated detected results in samples DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as J because of potential blank contamination. Sample results greater than 10x the blank concentration or non-detect did not require qualification.

The FB (FB01_072523) exhibited detections of fluorene (0.141 ug/l) and naphthalene (0.0541 ug/l). The associated detected results in samples DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as U at the sample concentration because of potential blank contamination. Sample results greater than 10x the blank concentration or non-detect do not require qualification.

The LCS for batch BG31686 exhibited percent recoveries below the LCL for 4-nitroaniline (0%), benzoic acid (0%, 10.2%), caprolactam (0%), and n-nitrosodimethylamine (0%). The associated results in samples DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch BG31686 exhibited RPDs above the control limit for benzoic acid (26%), benzyl alcohol (20.5%), and pyridine (26.8%). The associated results in samples DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as UJ because of potential indeterminate bias.

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PFAS by USEPA Method 1633

23G1449

The sample DUP01_072523 exhibited percent recoveries outside of control limits for the isotope dilution standards 13C4-perfluorobutanoic acid (9.84%), 13C4-perfluoroheptanoic acid (180%), 13C5-perfluorohexanoic acid (194%), 13C5-perfluoropentanoic acid (194%), 13C8-perfluorooctanesulfonate (176%), 13C9-perfluorononanoic acid (158%), M2-4:2 FTS (235%), and M3-hexafluoropropylene oxide dimer acid (M3HFPO-DA) (153%). The associated results are qualified as J or UJ because of potential high or low bias.

The sample MW02_072523 exhibited percent recoveries outside of control limits for the isotope dilution standards 13C4-perfluorobutanoic acid (9.83%), 13C4-perfluoroheptanoic acid (156%), 13C5-perfluorohexanoic acid (171%), 13C5-perfluoropentanoic acid (174%), 13C8-perfluorooctanoic acid (164%), and M2-4:2 FTS (270%). The associated results are qualified as J or UJ because of potential high or low bias.

The sample MW03_072523 exhibited percent recoveries outside of control limits for the isotope dilution standards 13C4-perfluorobutanoic acid (2.65%), 13C5-perfluorohexanoic acid (199%), 13C8-perfluorooctanesulfonamide (164%), 13C8-perfluorooctanoic acid (172%), 13C8-perfluorooctanesulfonate (163%), 13C9-perfluorononanoic acid (160%), M2-4:2 FTS (469%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (226%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (217%), sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (418%), and sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (8:2) (239%). The associated results are qualified as J or UJ because of potential high or low bias.

The sample MW04_072523 exhibited percent recoveries outside of control limits for the isotope dilution standards 13C5-perfluorohexanoic acid (203%), 13C5-perfluoropentanoic acid (176%), 13C8-perfluorooctanesulfonamide (154%), 13C8-perfluorooctanoic acid (156%), 13C8-perfluorooctanesulfonate (171%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (158%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (181%), M2-4:2 FTS (493%), and sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2) (312%). The associated results are qualified as J or UJ because of potential high or low bias.

The LCS for batch BH30021 exhibited percent recoveries outside of control limits for the majority of analytes (32 - 239%). Based on professional judgment, all PFAS results in samples

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DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as J or UJ because of potential indeterminate bias.

Herbicides by SW-846 Method 8151A

23G1449

The LCS/LCSD for batch BG31518 exhibited RPDs above the control limit for 2,4-d (dichlorophenoxyacetic acid) (31.2%), acetic acid, (2,4,5-trichlorophenoxy)- (31.7%), and silvex (2,4,5-tp) (35.6%). The associated results in samples DUP01_072523, MW02_072523, MW03_072523, and MW04_072523 are qualified as UJ because of potential indeterminate bias.

Metals by SW-846 Method 6010D/6020B/7470

23G1449

The laboratory duplicate and parent sample (MW04_072523) exhibited a RPD above the control limit for dissolved selenium (31%). The associated results are qualified as J because of potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

23G1449

The TB (TB01_072523) exhibited a detection of methylene chloride (0.660 ug/l). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BH30198 exhibited a percent recovery above the UCL for vinyl acetate (113%, 121%). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch BH30199 exhibited a percent recovery above the UCL for vinyl acetate (112%, 110%). The associated results are non-detect. No qualification is necessary.

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SVOCs by SW-846 Method 8270D/8270DSIM

23G1449

The LCS for batch BG31686 exhibited a percent recovery above the UCL for hexachloroethane (284%). The associated results are non-detect. No qualification is necessary.

PCBs by SW-846 Method 8082A

23G1449

The sample MW04_072523 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (PCB 209) (174%). The associated results are non-detect. No qualification is necessary.

Metals by SW-846 Method 6010D/6020B/7470

23G1449

The MB for batch BG31755 exhibited a detection of dissolved potassium (0.195 mg/l). The associated results are non-detect. No qualification is necessary.

The FB (FB01_072523) exhibited detections of total potassium (0.0779 mg/l), total sodium (1.06 mg/l), and total calcium (0.153 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The LCS for batch BG31751 exhibited a percent recovery above the UCL for total beryllium (125%). The associated results are non-detect. No qualification is necessary.

FIELD DUPLICATES:

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 $\pm$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pair was compared to the precision criteria:

- DUP01_072523 and MW02_072523

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The field duplicate and parent sample (DUP01_072523 and MW02_072523) exhibited absolute differences above the RL for bis(2-ethylhexyl) phthalate (0.88 ug/l) and anthracene (0.0589 ug/l). 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

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July 2023 GW Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
23G1449	23G1449-03	DUP01_072523	7/25/2023	Tier 1	VOCs, SVOCs, SVOC SIM, PCBs, Pesticides, Herbicides, PFAS, Total Metals, Dissolved Metals, Cyanide, Hexavalent Chromium, and Trivalent Chromium
23G1449	23G1449-06	FB01_072523	7/25/2023	Tier 1	VOCs, SVOCs, SVOC SIM, PCBs, Pesticides, Herbicides, PFAS, Total Metals, Dissolved Metals, Cyanide, Hexavalent Chromium, and Trivalent Chromium
23G1449	23G1449-02	MW02_072523	7/25/2023	Tier 1	VOCs, SVOCs, SVOC SIM, PCBs, Pesticides, Herbicides, PFAS, Total Metals, Dissolved Metals, Cyanide, Hexavalent Chromium, and Trivalent Chromium
23G1449	23G1449-04	MW03_072523	7/25/2023	Tier 1	VOCs, SVOCs, SVOC SIM, PCBs, Pesticides, Herbicides, PFAS, Total Metals, Dissolved Metals, Cyanide, Hexavalent Chromium, and Trivalent Chromium
23G1449	23G1449-05	MW04_072523	7/25/2023	Tier 1	VOCs, SVOCs, SVOC SIM, PCBs, Pesticides, Herbicides, PFAS, Total Metals, Dissolved Metals, Cyanide, Hexavalent Chromium, and Trivalent Chromium
23G1449	23G1449-07	TB01_072523	7/25/2023	Tier 1	VOCs

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Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
23G1449	DUP01_072523	E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	J
23G1449	DUP01_072523	E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	J
23G1449	DUP01_072523	E1633	335-67-1	Perfluorooctanoic acid (PFOA)	J
23G1449	DUP01_072523	E1633	375-22-4	Perfluorobutanoic Acid	J
23G1449	DUP01_072523	E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	J
23G1449	DUP01_072523	E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	J
23G1449	MW02_072523	E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	J
23G1449	MW02_072523	E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	J
23G1449	MW02_072523	E1633	335-67-1	Perfluorooctanoic acid (PFOA)	J
23G1449	MW02_072523	E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	J
23G1449	MW02_072523	E1633	375-22-4	Perfluorobutanoic Acid	J
23G1449	MW02_072523	E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	J
23G1449	MW02_072523	E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	J
23G1449	MW03_072523	E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	J
23G1449	MW03_072523	E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	J
23G1449	MW03_072523	E1633	335-67-1	Perfluorooctanoic acid (PFOA)	J
23G1449	MW03_072523	E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	J
23G1449	MW03_072523	E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	J
23G1449	MW03_072523	E1633	375-95-1	Perfluorononanoic acid (PFNA)	J
23G1449	MW04_072523	E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	J
23G1449	MW04_072523	E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	J
23G1449	MW04_072523	E1633	335-67-1	Perfluorooctanoic acid (PFOA)	J
23G1449	MW04_072523	E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	J
23G1449	MW04_072523	E1633	375-22-4	Perfluorobutanoic Acid	J
23G1449	MW04_072523	E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	J
23G1449	MW04_072523	E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	J
23G1449	MW04_072523	E1633	375-95-1	Perfluorononanoic acid (PFNA)	J
23G1449	MW04_072523	SW6020	7782-49-2	Dissolved Selenium	J
23G1449	MW04_072523	SW8260	67-66-3	Chloroform	J
23G1449	DUP01_072523	SW8270DSIM	117-81-7	Bis(2-Ethylhexyl) Phthalate	J
23G1449	MW02_072523	SW8270DSIM	117-81-7	Bis(2-Ethylhexyl) Phthalate	J
23G1449	DUP01_072523	SW8270DSIM	86-73-7	Fluorene	U (0.0973)
23G1449	MW02_072523	SW8270DSIM	86-73-7	Fluorene	U (0.113)
23G1449	DUP01_072523	E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	UJ
23G1449	DUP01_072523	E1633	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1449	DUP01_072523	E1633	151772-58-6	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	UJ
23G1449	DUP01_072523	E1633	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1449	DUP01_072523	E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1449	DUP01_072523	E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1449	DUP01_072523	E1633	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1449	DUP01_072523	E1633	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1449	DUP01_072523	E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1449	DUP01_072523	E1633	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1449	DUP01_072523	E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1449	DUP01_072523	E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	UJ
23G1449	DUP01_072523	E1633	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1449	DUP01_072523	E1633	335-76-2	Perfluorodecanoic acid (PFDA)	UJ
23G1449	DUP01_072523	E1633	335-77-3	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1449	DUP01_072523	E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	UJ
23G1449	DUP01_072523	E1633	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1449	DUP01_072523	E1633	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1449	DUP01_072523	E1633	375-95-1	Perfluorononanoic acid (PFNA)	UJ
23G1449	DUP01_072523	E1633	376-06-7	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1449	DUP01_072523	E1633	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1449	DUP01_072523	E1633	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1449	DUP01_072523	E1633	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1449	DUP01_072523	E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1449	DUP01_072523	E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ

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SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
23G1449	DUP01_072523	E1633	754-91-6	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1449	DUP01_072523	E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS)	UJ
23G1449	DUP01_072523	E1633	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1449	DUP01_072523	E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	UJ
23G1449	DUP01_072523	E1633	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1449	DUP01_072523	E1633	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1449	DUP01_072523	E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1449	DUP01_072523	E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1449	DUP01_072523	E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1449	MW02_072523	E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G1449	MW02_072523	E1633	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1449	MW02_072523	E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1449	MW02_072523	E1633	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1449	MW02_072523	E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1449	MW02_072523	E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1449	MW02_072523	E1633	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1449	MW02_072523	E1633	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1449	MW02_072523	E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1449	MW02_072523	E1633	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1449	MW02_072523	E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1449	MW02_072523	E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	UJ
23G1449	MW02_072523	E1633	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1449	MW02_072523	E1633	335-76-2	Perfluorodecanoic acid (PFDA)	UJ
23G1449	MW02_072523	E1633	335-77-3	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1449	MW02_072523	E1633	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1449	MW02_072523	E1633	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1449	MW02_072523	E1633	375-95-1	Perfluorononanoic acid (PFNA)	UJ
23G1449	MW02_072523	E1633	376-06-7	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1449	MW02_072523	E1633	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1449	MW02_072523	E1633	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1449	MW02_072523	E1633	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1449	MW02_072523	E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1449	MW02_072523	E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	UJ
23G1449	MW02_072523	E1633	754-91-6	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1449	MW02_072523	E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS)	UJ
23G1449	MW02_072523	E1633	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1449	MW02_072523	E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	UJ
23G1449	MW02_072523	E1633	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1449	MW02_072523	E1633	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1449	MW02_072523	E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1449	MW02_072523	E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1449	MW02_072523	E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1449	MW03_072523	E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	UJ
23G1449	MW03_072523	E1633	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1449	MW03_072523	E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1449	MW03_072523	E1633	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1449	MW03_072523	E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1449	MW03_072523	E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1449	MW03_072523	E1633	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1449	MW03_072523	E1633	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1449	MW03_072523	E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1449	MW03_072523	E1633	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1449	MW03_072523	E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1449	MW03_072523	E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	UJ
23G1449	MW03_072523	E1633	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1449	MW03_072523	E1633	335-76-2	Perfluorodecanoic acid (PFDA)	UJ
23G1449	MW03_072523	E1633	335-77-3	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1449	MW03_072523	E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	UJ

Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 GW Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
23G1449	MW03_072523	E1633	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1449	MW03_072523	E1633	375-22-4	Perfluorobutanoic Acid	UJ
23G1449	MW03_072523	E1633	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1449	MW03_072523	E1633	376-06-7	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1449	MW03_072523	E1633	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1449	MW03_072523	E1633	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1449	MW03_072523	E1633	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1449	MW03_072523	E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1449	MW03_072523	E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G1449	MW03_072523	E1633	754-91-6	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1449	MW03_072523	E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS)	UJ
23G1449	MW03_072523	E1633	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1449	MW03_072523	E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	UJ
23G1449	MW03_072523	E1633	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1449	MW03_072523	E1633	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1449	MW03_072523	E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1449	MW03_072523	E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1449	MW03_072523	E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1449	MW04_072523	E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEASA)	UJ
23G1449	MW04_072523	E1633	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	UJ
23G1449	MW04_072523	E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	UJ
23G1449	MW04_072523	E1633	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	UJ
23G1449	MW04_072523	E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	UJ
23G1449	MW04_072523	E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	UJ
23G1449	MW04_072523	E1633	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	UJ
23G1449	MW04_072523	E1633	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	UJ
23G1449	MW04_072523	E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	UJ
23G1449	MW04_072523	E1633	27619-97-2	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	UJ
23G1449	MW04_072523	E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	UJ
23G1449	MW04_072523	E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	UJ
23G1449	MW04_072523	E1633	31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSA)	UJ
23G1449	MW04_072523	E1633	335-76-2	Perfluorodecanoic acid (PFDA)	UJ
23G1449	MW04_072523	E1633	335-77-3	Perfluorodecanesulfonic acid (PFDS)	UJ
23G1449	MW04_072523	E1633	356-02-5	3-Perfluoropropyl propanoic acid (3:3 FTCA)	UJ
23G1449	MW04_072523	E1633	375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	UJ
23G1449	MW04_072523	E1633	376-06-7	Perfluorotetradecanoic acid (PFTeDA)	UJ
23G1449	MW04_072523	E1633	377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)	UJ
23G1449	MW04_072523	E1633	39108-34-4	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	UJ
23G1449	MW04_072523	E1633	4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSA)	UJ
23G1449	MW04_072523	E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	UJ
23G1449	MW04_072523	E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	UJ
23G1449	MW04_072523	E1633	754-91-6	Perfluorooctane Sulfonamide (PFOSA)	UJ
23G1449	MW04_072523	E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS)	UJ
23G1449	MW04_072523	E1633	757124-72-4	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	UJ
23G1449	MW04_072523	E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	UJ
23G1449	MW04_072523	E1633	79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	UJ
23G1449	MW04_072523	E1633	812-70-4	3-Perfluoroheptyl propanoic acid (7:3FTCA)	UJ
23G1449	MW04_072523	E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)	UJ
23G1449	MW04_072523	E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	UJ
23G1449	MW04_072523	E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	UJ
23G1449	DUP01_072523	SW8151	94-75-7	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1449	MW02_072523	SW8151	94-75-7	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1449	MW03_072523	SW8151	94-75-7	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1449	MW04_072523	SW8151	94-75-7	2,4-D (Dichlorophenoxyacetic Acid)	UJ
23G1449	DUP01_072523	SW8151	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1449	MW02_072523	SW8151	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1449	MW03_072523	SW8151	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ
23G1449	MW04_072523	SW8151	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	UJ

Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 GW Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
23G1449	DUP01_072523	SW8151	93-72-1	Silvex (2,4,5-TP)	UJ
23G1449	MW02_072523	SW8151	93-72-1	Silvex (2,4,5-TP)	UJ
23G1449	MW03_072523	SW8151	93-72-1	Silvex (2,4,5-TP)	UJ
23G1449	MW04_072523	SW8151	93-72-1	Silvex (2,4,5-TP)	UJ
23G1449	DUP01_072523	SW8260	10061-02-6	Trans-1,3-Dichloropropene	UJ
23G1449	DUP01_072523	SW8260	110-82-7	Cyclohexane	UJ
23G1449	DUP01_072523	SW8260	124-48-1	Dibromochloromethane	UJ
23G1449	DUP01_072523	SW8260	75-25-2	Bromoform	UJ
23G1449	DUP01_072523	SW8260	75-27-4	Bromodichloromethane	UJ
23G1449	DUP01_072523	SW8260	87-68-3	Hexachlorobutadiene	UJ
23G1449	MW02_072523	SW8260	10061-02-6	Trans-1,3-Dichloropropene	UJ
23G1449	MW02_072523	SW8260	110-82-7	Cyclohexane	UJ
23G1449	MW02_072523	SW8260	75-25-2	Bromoform	UJ
23G1449	MW02_072523	SW8260	75-27-4	Bromodichloromethane	UJ
23G1449	MW02_072523	SW8260	87-68-3	Hexachlorobutadiene	UJ
23G1449	MW03_072523	SW8260	10061-02-6	Trans-1,3-Dichloropropene	UJ
23G1449	MW03_072523	SW8260	110-82-7	Cyclohexane	UJ
23G1449	MW03_072523	SW8260	124-48-1	Dibromochloromethane	UJ
23G1449	MW03_072523	SW8260	75-25-2	Bromoform	UJ
23G1449	MW03_072523	SW8260	75-27-4	Bromodichloromethane	UJ
23G1449	MW03_072523	SW8260	87-68-3	Hexachlorobutadiene	UJ
23G1449	MW04_072523	SW8260	10061-02-6	Trans-1,3-Dichloropropene	UJ
23G1449	MW04_072523	SW8260	110-82-7	Cyclohexane	UJ
23G1449	MW04_072523	SW8260	75-25-2	Bromoform	UJ
23G1449	MW04_072523	SW8260	75-27-4	Bromodichloromethane	UJ
23G1449	MW04_072523	SW8260	87-68-3	Hexachlorobutadiene	UJ
23G1449	DUP01_072523	SW8270	100-01-6	4-Nitroaniline	UJ
23G1449	DUP01_072523	SW8270	100-51-6	Benzyl Alcohol	UJ
23G1449	DUP01_072523	SW8270	105-60-2	Caprolactam	UJ
23G1449	DUP01_072523	SW8270	110-86-1	Pyridine	UJ
23G1449	DUP01_072523	SW8270	65-85-0	Benzoic Acid	UJ
23G1449	MW02_072523	SW8270	110-86-1	Pyridine	UJ
23G1449	MW02_072523	SW8270	65-85-0	Benzoic Acid	UJ
23G1449	MW02_072523	SW8270	100-01-6	4-Nitroaniline	UJ
23G1449	MW02_072523	SW8270	100-51-6	Benzyl Alcohol	UJ
23G1449	MW02_072523	SW8270	105-60-2	Caprolactam	UJ
23G1449	MW03_072523	SW8270	100-01-6	4-Nitroaniline	UJ
23G1449	MW03_072523	SW8270	100-51-6	Benzyl Alcohol	UJ
23G1449	MW03_072523	SW8270	105-60-2	Caprolactam	UJ
23G1449	MW03_072523	SW8270	110-86-1	Pyridine	UJ
23G1449	MW03_072523	SW8270	65-85-0	Benzoic Acid	UJ
23G1449	MW04_072523	SW8270	100-01-6	4-Nitroaniline	UJ
23G1449	MW04_072523	SW8270	100-51-6	Benzyl Alcohol	UJ
23G1449	MW04_072523	SW8270	105-60-2	Caprolactam	UJ
23G1449	MW04_072523	SW8270	110-86-1	Pyridine	UJ
23G1449	MW04_072523	SW8270	65-85-0	Benzoic Acid	UJ
23G1449	DUP01_072523	SW8270DSIM	62-75-9	N-Nitrosodimethylamine	UJ
23G1449	MW02_072523	SW8270DSIM	62-75-9	N-Nitrosodimethylamine	UJ
23G1449	MW03_072523	SW8270DSIM	62-75-9	N-Nitrosodimethylamine	UJ
23G1449	MW04_072523	SW8270DSIM	62-75-9	N-Nitrosodimethylamine	UJ
23G1449	DUP01_072523	SW8270DSIM	120-12-7	Anthracene	UJ
23G1449	MW02_072523	SW8270DSIM	120-12-7	Anthracene	J

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To: Lauren Kott, Langan Senior Staff Engineer
From: Joe Conboy, Langan Senior Staff Chemist
Date: August 21, 2023
Re: Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 Soil Vapor Samples
Langan Project No.: 10096420

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in July 2023 by Langan Engineering and Environmental Services for the portion of Quay Street identified as Tax Block 2590 Current Lot 1 (Proposed Lot 1). 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.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

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;

Technical Memorandum

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Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 Soil Vapor Samples
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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. One SDG 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).

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

Technical Memorandum

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Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 Soil Vapor Samples
Langan Project No.: 10096420
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MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies that were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies that were identified.

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 USEPA Method TO-15:

23G1356

The MB for batch BG31478 exhibited detections of 1,2,4-trichlorobenzene (0.89 ug/m³) and isopropanol (0.88 ug/m³). The associated results are either non-detect or >10X the contamination. No qualification is necessary.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
Portion of Quay Street
Tax Block 2590 Current Lot 1 (Proposed Lot 1)
July 2023 SV Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
23G1356	23G1356-02	SV02_072423	7/24/2023	Tier 1	USEPA TO-15
23G1356	23G1356-03	SV03_072423	7/24/2023	Tier 1	USEPA TO-15

Data Usability Summary Report
Portion of Quay Street
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July 2023 SV Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
No qualification required.					