

5 January 2022
Revised 3 March 2022

Mr. Stephen Martinelli
CP VII 78th Street Owner, LLC
805 Third Avenue, 20th Floor
New York, NY 10022

**Re: Limited Phase II Environmental Site Investigation Report
1487 1st Avenue (the "Project")
1487-1493 1st Avenue
New York, New York
Langan Project No. 100963701**

Dear Mr. Martinelli:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this report to document the results of a Limited Phase II Environmental Investigation (Phase II EI) completed at the above-referenced property. This report was revised to include additional soil, groundwater, and soil vapor sampling completed at the site in January and February 2022. A site location map is provided as Figure 1. The following is a summary of the findings of this investigation.

Site Description

The site is an approximately 10,050-square-foot property located at Block 1452, Lots 27, 28, 29, and 30 (to be merged as Tentative Lot 27 in accordance with the New York City RP-602 Form partially executed on 6 January 2022) and is currently occupied by two four-story vacant buildings in the southern and northwestern portions of the site. The remaining portions of the site consist of vacant land where former building basements have been partially backfilled with remnant demolition debris. The perimeters of the former building basements were backfilled with sloped demolition debris from sidewalk level to the assumed depth of the former basement slabs at approximately 8 to 10 feet below sidewalk level (bsl). The vacant portion of the site was heavily vegetated with uneven topography at the time of the November 2021 investigation; however, vegetation was cleared and the remnant demolition debris was graded to a flat surface ranging from 4 to 8 feet bsl prior to the January 2022 mobilization.

Two fuel oil aboveground storage tanks (ASTs) have been documented at the site; one 550-gallon No. 2 fuel oil AST encased in concrete is located in the basement of the vacant building in the northwestern corner of the site and one approximately 250-gallon fuel oil AST was found buried in the debris of the building demolished by the previous owners. A release was observed when the AST was discovered and reported to NYSDEC and assigned Spill No. 2109276. The AST locations are shown on Figure 2.

The site is bordered by the four-story 354 East 78th Street building to the west, East 78th Street to the north, 1st Avenue to the east, and the nine-story 1485 1st Avenue building to the south.

Site History

The 23 February 2016 Phase II Environmental Site Assessment (ESA) completed by Cider Environmental (Cider) documented the findings of a 21 January 2016 Phase I ESA also prepared by Cider. The Phase I ESA reportedly identified the following recognized environmental conditions (RECs):

- REC-1: Historic dyeing and cleaning operations are documented between 1920 and 2005 on Lot 28 and Lot 30. A solvent tank was identified on Lot 30 on the Sanborn Fire Insurance Maps from 1951 to 2005; and,
- REC-2: Potential presence of abandoned fuel oil underground storage tanks (UST) due to historical fuel oil burner application records.

The Phase I ESA also identified the presence of urban fill material at the site.

The Cider Phase II ESA was completed to investigate the RECs and included the completion of a geophysical survey in accessible portions of the site, installation of three soil borings and collection of three discrete soil samples and one composite soil sample, and installation of three soil vapor points and collection of three soil vapor samples. Soil borings were advanced with a hand auger and air knife to approximately five feet below the former basement slabs in Lots 28 and 29 (corresponding to approximately 15 feet bsl). The soil borings and vapor points were advanced on Lots 28 and 29 in the vicinity of former dry cleaning operations. The geophysical survey identified the presence of one suspected 275-gallon UST of unknown contents in Lot 29 and one of the three soil borings and one of the three soil vapor points were also installed in the vicinity of the suspected UST. Discrete soil samples were collected from 4 to 5 feet below the former basements slabs for the analysis of volatile organic compounds (VOCs) and petroleum-related semi-volatile organic compounds (SVOCs) and soil vapor points were sampled from either 2 or 4 feet (conflicting depths are provided in the report) below the former basement slabs for VOC analysis. One five-point composite soil sample was also collected to characterize impacts in fill at the site and was analyzed for metals, polychlorinated biphenyls (PCBs), VOCs, SVOCs, and herbicides. Groundwater was not encountered in any of the soil borings.

The Cider Phase II ESA soil analytical results revealed no detections of VOCs or petroleum-related SVOCs. The composite soil sample analytical results revealed the presence of lead marginally above the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objective (SCO) at a concentration of 67.4 mg/kg. Soil vapor analytical results revealed the presence of tetrachloroethylene (PCE) at concentrations below New York State Department of Health (NYSDOH) guidance values requiring monitoring or mitigation. Cider recommended no further investigation or remediation to address REC-1 and the presence of fill, and the removal of the suspected UST to address REC-2.

Geological and Hydrogeological Conditions

Based on borings completed during the November 2021 and January 2022 Phase II investigations, stratigraphy below the former basements slabs in the vacant lots in the northern and central portions of the site consists of an approximately 1- to 4-foot thick layer of fill underlain by a 6- to 13-foot layer of native sand and clayey sand. All borings were completed until drilling refusal on inferred bedrock was encountered, at approximately 17 to 23 feet below sidewalk level (bsl). Drilling refusal was encountered deeper in the southern part of the site (23 feet bsl) than in the northern and eastern parts of the site (17 feet bsl).

The preliminary geotechnical investigation completed in November 2021 by Langan documented an about 6-foot-thick layer of fill beneath the sidewalks adjacent to the site, followed by approximately 14 feet of sand and clay underlain by weathered mica schist rock. The top of competent rock was encountered at approximately 22 and 27 feet bsl. Two rock cores completed at LSB-12 and LSB-13 during the January 2022 EI revealed the presence of weathered rock from approximately 22 to 27 feet bsl at LSB-12 and from approximately 16.5 to 17 feet bsl at LSB-13. The top of competent rock was encountered at 27 feet bsl at LSB-12 and 17 feet bsl at LSB-13.

Based on the presence of groundwater immediately above weathered bedrock, it is assumed to be present in a perched condition. Perched groundwater was measured in monitoring wells completed during Langan's Phase II EI between 13 feet bsl (MW-05) and 15.5 feet bsl (MW-02). Groundwater is assumed to have risen in the bedrock well risers and was measured above the top of the rock interface in the bedrock wells at 14.5 feet bsl in MW-7 and 17 feet bsl in MW-6.

Phase II Environmental Investigation

A Phase II EI was completed by Langan in November 2021 and January/February 2022 which included installation of fifteen soil borings, two rock cores, five temporary groundwater monitoring wells, two bedrock wells, and seven soil vapor sampling points, as well as collection of soil, groundwater, and soil vapor samples for laboratory analysis. The borings, monitoring wells and soil vapor sample locations were distributed throughout the site footprint with some locations biased towards the locations of historical dyeing and drycleaning operations, the former solvent tank, or the suspected 275-gallon UST of unknown contents in Lot 29 as identified during the geophysical survey completed during the Cider Phase II ESA.

Soil Investigation Procedures and Field Observations

On 9 and 10 November 2021, eight soil borings (LB-01 through LB-08) were completed in accessible portions of the Site to investigate soil, groundwater and soil vapor conditions and assess the potential presence of impacts associated with historical site operations. On 25 January, three soil borings (LSB-9 through LSB-11) were completed within the basement of the building located on Lot 27, which had previously been inaccessible for drilling. On 26 January through 1 February, four soil borings (LSB-12 through LSB-15) were completed within the vacant portions of the site and rock coring was completed to a depth of 50 feet bsl at LSB-12 and LSB-13. The borings were completed by AARCO Environmental Services, Corp. (AARCO) of Lindenhurst, New York.

On 24 January 2022, three test pits were excavated in the northern portion of the site (Lot 30) to look for evidence of the former solvent tank. Two test pits (TP-1 and TP-2) were excavated to a depth of approximately 3.5 feet below former basement slab (corresponding to approximately 12 feet bsl) and one test pit (TP-3) was excavated to the top of bedrock at approximately 9 feet below former basement slab (corresponding to approximately 17.5 feet bsl). No evidence of a former solvent tank or odors were observed in TP-1 and TP-2. Odors and elevated PID between 14 and 23 ppm readings were observed in soil immediately above bedrock in TP-3. The test pits were backfilled with the material in the same order in which the material was excavated.

As part of the Phase II EI, eleven soil borings (LB-01, LB-03 through LB-08, and LSB-12 through LSB-15) were completed to between 17 and 23 feet bsl with a track-mounted Geoprobe® 7782DT direct push drill rig; one soil boring (LB-02) was completed to 18 feet bsl and three borings (LSB-9 through LSB-11) were completed to 20 feet bsl with a limited access Geoprobe® 420M direct push drill rig. The following soil borings were advanced at the site:

- LB-02 was completed in the vicinity of the historical solvent tank in Lot 30;
- LB-03, LB-04, and LB-08 were completed across the Lot 28 footprint to assess potential impacts from historical dyeing and drycleaning operations;
- LB-06 and LB-07 were completed in the central portion of the Lot 29 immediately to the east and west of the suspected UST location reported in the Cider Phase II ESA;
- LB-01, LB-05, LSB-9, LSB-10 through LSB-15 were completed to assess general site conditions throughout the site footprint.

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

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 fifteen test borings and all soil samples were screened for visual or olfactory evidence of impacts. Elevated PID readings of between 12 parts-per-million (ppm) above background were detected in LB-02 between 8 and 8.5 feet below the former basement slab (corresponding to between 16.5 and 17 feet bsl) and 21.6 ppm at LSB-13 between 11 and 11.5 feet below former basement slab (corresponding to between 15 and 15.5 feet bsl); odors and globules potentially associated with the AST that had previously been discovered nearby were also observed at LSB-13. Odors were observed at LB-05 between 8 and 9 feet below the former basement slab (corresponding to between 17.5 and 18.5 feet bsl). Elevated PID readings and/or odor and staining were not observed in any other soil borings completed as part of the Phase II EI.

Twenty-eight soil samples were collected for chemical analysis during the Phase II EI. Two discrete soil samples were collected from borings LB-01 through LB-08 during the November 2021 investigation and from LSB-9 through LSB-11 during the January 2022 investigation. One sample

was collected from the 2-foot interval with the highest PID screening results or physical evidence (i.e., staining or odors) of impacts and one sample was collected from the 2-foot interval above the groundwater table. If no impacts were identified, one soil sample was collected from within the fill layer. Soil samples were collected from the fill layer from 0 to 1 feet below former basement slab (corresponding to 9.5 to 10.5 feet bsl) at LB-01, from 0 to 2 feet below former basement slab (corresponding to 9.5 to 11.5 feet bsl) at LB-03, LB-04, LB-06, LB-07, and LB-08, and from 0 to 2 feet below basement slab (corresponding to 8 to 10 feet bsl) at LSB-9 through LSB-11. Soil samples were collected from the interval exhibiting the highest level of impacts as determined by PID screening results and odors at LB-02 from 8 to 10 feet below former basement slab (corresponding to 16.5 to 18.5 feet bsl) and LB-05 from 8 to 9 feet below former basement slab (corresponding to 17.5 to 18.5 feet bsl). One soil sample was collected from the 2-foot interval immediately above inferred groundwater at all eleven soil borings.

Three soil samples were collected from LSB-12 from 15 to 17 feet bsl, 18 to 20 feet bsl, and 20 to 22 feet bsl; refusal on bedrock was encountered at 22 feet bsl at this location. One sample from 15 to 17 feet bsl was collected from each LSB-13, LSB-14, and LSB-15 immediately above refusal on bedrock.

Soil samples collected from LB-01 through LB-05 and LB-08 were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for NYSDEC Part 375-specified VOCs, polycyclic aromatic hydrocarbons (PAHs), metals, and hexavalent chromium analysis. Additionally, soil samples collected from LB-06 and LB-07 were also submitted for PCB analysis. Soil samples from LSB-9 through LSB-11 were submitted for NYSDEC Part 375-specified VOCs, SVOCs, and metals. LSB-12 through LSB-15 were submitted for NYSDEC Part 375-specified VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, total cyanide, perfluoroalkyl substances (PFAS), and 1,4-dioxane.

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 and 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, or 3-foot long soil sample collected with the Geoprobe® 420M limited access drilling rigs. 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 blank and duplicate samples) were incorporated into the sampling event and consisted of three field blanks, three duplicate samples, and six trip blanks during the Phase II EI. Two of the Phase II EI soil duplicate samples were analyzed for VOCs, PAHs, metals, and hexavalent chromium and one was analyzed for VOCs,

SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, total cyanide, PFAS, and 1,4-dioxane. Two of the Phase II EI field blank samples were analyzed for VOCs, PAHs, and metals and one was analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, total cyanide, PFAS, and 1,4-dioxane. The trip blank samples were analyzed for VOCs only.

Ground Water Investigation and Field Observations

On 9 November 2021 and 26 January 2022, five temporary groundwater monitoring wells (MW-01 through MW-05) were installed by a licensed well driller from AARCO. Temporary monitoring wells were completed to depths ranging from 9 feet below basement slab (corresponding to approximately 17 feet bsl) at MW-05, 10 feet below the former basement slabs (corresponding to approximately 18 to 19 feet bsl) at MW-01 and MW-02, respectively, and 13 to 14 feet below the former basement slabs (corresponding to approximately 22.5 to 23.5 feet bsl) at MW-03 and MW-04, respectively. On 31 January 2022, two bedrock monitoring wells (MW-6 and MW-7) were installed by a licensed well driller from AARCO to 50 feet bsl.

MW-02 was installed at LB-02 to assess groundwater conditions in the vicinity of the former solvent tank in Lot 30, MW-03 and MW-04 were installed at LB-03 and LB-08, respectively, to assess for impacts from historical dyeing and drycleaning operations in Lot 28, MW-01 and MW-05 were installed at LB-01 and LB-05, respectively, to assess general site conditions and to assess for impacts from historical dyeing and drycleaning operations, and MW-6 and MW-7 were installed at LSB-12 and LSB-13, respectively, to assess for impacts within bedrock from historical dyeing and drycleaning operations.

Temporary groundwater monitoring wells MW-01, MW-02, and MW-05 were constructed with 9.5 feet of 1-inch diameter Schedule 40 PVC well screen, MW-03 was constructed with 10 feet of 2-inch diameter Schedule 40 PVC well screen and 2.5 feet of 2-inch diameter PVC riser, and MW-04 was constructed with 10 feet of 2-inch diameter Schedule 40 PVC well screen and 3.5 feet of 2-inch diameter PVC riser. MW-6 and MW-7 were constructed as open-hole bedrock wells with 27.5 feet and 17.5 feet of 2-inch diameter PVC riser, respectively. Monitoring well locations were measured in the field from the nearest property boundary and are shown on Figure 2.

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 temporary groundwater monitoring wells and groundwater was measured to be between approximately 13 and 17 feet bsl in all monitoring wells.

Nine groundwater samples were collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods. 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. No odors, evidence of sheen, or free product were observed during purging or sampling activities in any of the wells.

Four groundwater samples (MW-01 through MW-04) were collected on 10 November 2021 and one groundwater sample (MW-05) was collected on 27 January 2022 using dedicated polyethylene tubing and a peristaltic pump at each location. Following initial purging in MW-01 and MW-02, groundwater recharge was not sufficient to allow for parameter stabilization and grab groundwater samples were collected via a dedicated Teflon bailer as soon as sufficient volume had accumulated in the wells to allow for a limited analysis. On 1 and 2 February 2022, four groundwater samples (two samples from different bedrock fracture depths at each MW-6 and MW-7) were collected using dedicated polyethylene tubing and a bladder pump at each location.

Groundwater analytical results are provided in Table 2 and are summarized on Figure 4. Low-flow groundwater sampling logs are provided in Attachment B and complete laboratory data packages are provided in Attachment C.

Groundwater samples collected from MW-01 and MW-02 were submitted to York for only NYSDEC Part 375-specified VOC and metals analysis due to insufficient sample volumes; the groundwater samples collected from MW-03, MW-04, and MW-05 were submitted to York for NYSDEC Part 375-specified VOCs, PAHs, and metals analysis; and the groundwater samples collected from MW-6 (at 28 feet bsl and 45 feet bsl) and from MW-7 (at 20 feet bsl and 28 feet bsl) were submitted for NYSDEC Part 375-specified VOCs only.

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 three field blanks, three trip blanks, and three duplicate samples for groundwater samples collected during the Phase II EI. Two of the groundwater field blanks and duplicate samples were analyzed for VOCs, PAHs, and metals. One groundwater field blank and duplicate sample was analyzed for VOCs only. The trip blanks were analyzed for VOCs only.

Soil Vapor and Sub-Slab Soil Vapor Investigation and Field Observations

On 9 and 10 November 2021, four soil vapor sampling points (SV-01 through SV-04) were installed and five soil vapor samples, including one duplicate sample, were collected for chemical analysis. On 25 January 2022, three sub-slab soil vapor sampling points (SV-5 through SV-7) were installed and four sub-slab soil vapor samples, including one duplicate sample, were collected for chemical analysis. Soil vapor sampling locations are shown on Figure 2. SV-02 was installed adjacent to LB-02 to assess soil vapor conditions in the vicinity of the former solvent tank in Lot 30, SV-03 and SV-04 were installed adjacent to LB-03 and LB-08, respectively, to assess for impacts from historical dyeing and drycleaning operations in Lot 28, and SV-01 was installed at LB-01 in Lot 29 to assess general site conditions and to assess for impacts from historical dyeing and drycleaning operations on Lot 30. SV-5, SV-6, and SV-7 were installed adjacent to LSB-9, LSB-10, and LSB-11, respectively, to assess sub-slab soil vapor conditions below the building on Lot 27.

Soil vapor sampling points were installed approximately 2-feet above the observed groundwater interface as measured in the installed monitoring wells. Sub-slab soil vapor monitoring points were installed immediately below the building basement slab. Soil vapor sampling logs are included in Attachment B. 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 0.2 ppm in SV-04, SV-5, and SV-6 to 3.6 ppm in SV-02 were observed during field screening at each location.

Soil Vapor Sampling Quality Assurance/Quality Control

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

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

Laboratory Analytical Result

Soil Analytical Results

All soil analytical results were compared to the NYSDEC Unrestricted Use SCOs, Restricted-Residential Restricted Use SCOs (RUSCOs), and Protection of Groundwater SCOs and are presented in Table 1 and summarized on Figure 3. Sample depths are identified as depth below the former basement slabs, which are approximately 8 to 10 feet bsl.

VOCs

PCE (1.6 mg/kg) was detected in exceedance of the NYSDEC Unrestricted Use SCO and Protection of Groundwater SCO in the sample collected from 6 to 8 feet below the former basement slab in LB-02 (boring completed near former solvent tank area). Acetone (0.085 mg/kg), a common laboratory artifact, was detected in exceedance of the NYSDEC Unrestricted Use SCO in the sample collected from 2 to 4 feet below the basement slab in LSB-11.

Metals

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs, Restricted Residential RUSCOs, and/or Protection of Groundwater SCOs for barium, copper, trivalent chromium, lead, nickel, silver, and zinc. Unrestricted Use SCO exceedances include copper (50.7 mg/kg – 81.8 mg/kg), trivalent chromium (32.8 mg/kg – 140 mg/kg), lead (206 mg/kg – 345 mg/kg), nickel (32.6 mg/kg – 65.1 mg/kg), silver (3.19 mg/kg – 4.57 mg/kg), and zinc (136 mg/kg – 383 mg/kg). Exceedances of the Unrestricted Use SCOs and Restricted Residential RUSCOs include barium (451 mg/kg) and lead (421 mg/kg). Exceedances of Unrestricted Use SCOs, Restricted Residential RUSCOs, and Protection of Groundwater SCOs include lead (474 mg/kg).

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

Groundwater Analytical Results

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

VOCs

Analytical results revealed exceedances of the NYSDEC SGVs for the VOCs in perched water monitoring wells (MW-01 through MW-05) for cis-1,2-dichloroethene (cis-1,2-DCE) (6.79 µg/l – 61.1 µg/l) in all monitoring wells except MW-01 and PCE (24.5 µg/l – 2,660 µg/l) and trichloroethene (TCE) (47.2 µg/l – 209 µg/l) in MW-02, MW-04, and MW-05. Concentrations of chlorinated VOCs in perched water were highest in the northern portion of the site near the former solvent tank (MW-02) and lowest in the southern part of the site (MW-05).

VOCs detected above the NYSDEC SGVs in the bedrock wells MW-6 and MW-7 included chloroform (10.2 µg/l – 15 µg/l), PCE (24.9 µg/l – 425 µg/l), TCE (54.1 µg/l – 151 µg/l), and cis-1,2-DCE (53.7 µg/l – 96.8 µg/l) in all four samples collected. The highest concentration of chlorinated CVOCs were detected in MW-6 at 28 feet bsl and decreased in the deeper sample collected from this well at 45 feet bsl. The lowest concentrations of chlorinated CVOCs were detected in MW-7 at 20 feet bsl and increased in the deeper sample collected from this well at 28 feet bsl.

Metals

Analytical results revealed exceedances of the NYSDEC SGVs for metals in all five monitoring wells tested for metals (MW-01 through MW-05) including total chromium (61.8 µg/l – 79.4 µg/l), lead (25.5 µg/l – 41 µg/l), magnesium (96,400 µg/l), manganese (1,690 µg/l – 25,100 µg/l), nickel (113 µg/l – 156 µg/l), and selenium (23.1 µg/l).

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

Soil Vapor Analytical Results

All soil vapor analytical results were compared to the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion Matrices A through C dated October 2006 and revised in May 2017. These results are presented in Table 3 and summarized on Figure 5.

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

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

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

- Carbon tetrachloride, with concentrations ranging from 0.364 $\mu\text{g}/\text{m}^3$ to 0.443 $\mu\text{g}/\text{m}^3$;
- Cis-1,2-DCE, with a concentration of 6.44 $\mu\text{g}/\text{m}^3$;
- Methylene chloride, with concentrations ranging from 2.34 $\mu\text{g}/\text{m}^3$ to 2.95 $\mu\text{g}/\text{m}^3$;
- PCE, with concentrations ranging from 1.95 $\mu\text{g}/\text{m}^3$ to 8,610 $\mu\text{g}/\text{m}^3$; and,
- TCE, with concentrations ranging from 0.518 $\mu\text{g}/\text{m}^3$ to 489 $\mu\text{g}/\text{m}^3$.

Comparison of these results to the applicable NYSDOH Guidance Values reveals detections of cis-1,2-DCE (6.44 $\mu\text{g}/\text{m}^3$), PCE (8,610 $\mu\text{g}/\text{m}^3$), and TCE (489 $\mu\text{g}/\text{m}^3$) at concentrations that would require mitigation in the sample collected from SV-02, which is located in the northern portion of the site in the vicinity of the former solvent tank.

Conclusions and Recommendations

Based on the results of the Phase II EI, the presence of contaminated fill and subsurface impacts to soil, groundwater, and soil vapor from historical site use were identified.

Laboratory analytical results identified subsurface chlorinated VOC impacts in the vicinity of the solvent tank formerly located in the approximate center of Lot 30. PCE was detected in soil from 6 to 8 feet below the former basement slab, corresponding to between 14.5 and 16.5 feet bsl at this location (LB-02) in exceedance of the Unrestricted Use SCOs and Protection of Groundwater SCOs. Perched groundwater analytical results at this location (MW-02) revealed the highest concentrations of PCE, TCE, and cis-1,2-DCE in exceedance of the NYSDEC SGVs detected at the site. Chlorinated VOCs that are included in the NYSDOH Soil Vapor/Indoor Air Decision Matrices A through C were detected at concentrations that require mitigation according to the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006 and Revised May 2017 including cis-1,2-DCE, TCE, and PCE.

Laboratory analytical results also identified subsurface chlorinated VOC impacts in the eastern portion of the site to the south of the former solvent tank. Cis-1,2-DCE was detected above the NYSDEC SGVs in MW-03 and cis-1,2-DCE, PCE, and TCE were detected above the NYSDEC SGVs in both MW-04 and MW-05. Groundwater analytical results in bedrock wells MW-6 and MW-7 revealed the presence of chloroform, cis-1,2-DCE, PCE, and TCE in exceedance of the NYSDEC SGVs in all samples collected from 20, 28, and 45 feet bsl; the highest concentrations in each well were detected at 28 feet bsl. PCE was also detected in groundwater at MW-01, which is located in the western portion of Lot 29 and to the south of the former dyeing and drycleaning facility in the northwestern corner of the site, but at concentrations below the NYSDEC SGVs in groundwater.

Chlorinated VOCs were detected in soil vapor in SV-01, SV-03, SV-04, SV-5, SV-6, and SV-7, but at concentrations below those requiring further action according to the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006 and Revised May 2017.

The concentrations of PCE and associated breakdown compounds detected in soil, groundwater, and soil vapor are indicative of a release from the former solvent tank and the presence of chlorinated VOCs in groundwater in the bedrock wells at depths of up to 45 feet bsl indicate that chlorinated VOC contamination has migrated into bedrock at the site.

Metals including barium, copper, trivalent chromium, lead, nickel, silver, and zinc were detected at concentrations exceeding the Unrestricted Use SCOs in the fill and native soil in all but two soil borings. Lead and barium were also detected at concentrations above the Protection of Groundwater and/or Restricted Residential RUSCOs. Petroleum-related VOCs, PAHs, and PCBs were not detected in any of the soil samples collected. Metals including total chromium, iron, lead, magnesium, manganese, nickel, selenium, and/or sodium were detected in exceedance of the NYSDEC SGVs at all perched monitoring well locations. Detections of total metals in groundwater are likely attributable to sediment entrainment in the samples or naturally occurring background conditions.

Based on the soil, groundwater and soil vapor analytical results, subsurface impacts from the suspected UST of unknown contents were not identified. Removal of the suspected UST will be required as part of site redevelopment. As discussed above, two ASTs were identified at the site in January 2022, however, investigation associated with these tanks was not completed as part of this Phase II EI.

This Phase II EI was limited in scope and did not include the sampling of the remnant demolition debris to determine disposal options of that material. Additional delineation of the identified impacts will be required to complete delineation of identified impacts including VOCs in perched groundwater and bedrock.

Sincerely,
**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.**



Amanda Forsburg
Senior Project Manager



Steven Ciambuschini, P.G.
Senior Principal / Senior Vice President

SAC:AF:kn

Attachments: Tables 1, 2 and 3
Figures 1, 2, 3, 4, and 5
Attachments A, B, and C

cc: Kyle Becker, Matt Feldman - CP VII 78th Street Owner, LLC
Chris McMahon, Molly Mattern – Langan

TABLES

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

1487 First Avenue
New York City, New York
Langan Project No.: 100963701

Table with 17 columns: Analyte, CAS Number, NYSDEC Part 375 Unrestricted Use SCOs, NYSDEC Part 375 Protection of Groundwater SCOs, NYSDEC Part 375 Restricted Use Residential SCOs, and 12 location-specific columns (LB-01 to LB-06, each with Sample Name, Sample Date, Sample Depth (fbfs), Sample Depth (fbsl), Fill/Native, and Unit/Result). The table lists various chemical analytes including pesticides, herbicides, polychlorinated biphenyls, metals, general chemistry, and perfluoroalkanoic acids, with corresponding results across the 12 locations.

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

1487 First Avenue New York City, New York Langan Project No.: 100963701

Table with columns for Analyte, CAS Number, NYSDEC Part 375 Unrestricted Use SCOs, NYSDEC Part 375 Protection of Groundwater SCOs, NYSDEC Part 375 Restricted Use-Residential SCOs, Location (LB-07, LB-08, LSB-9, LSB-10, LSB-11, LSB-12, LSB-13, LSB-14, LSB-15), Sample Name, Sample Date, Sample Depth (fbfs), Fill/Native, Unit, and Result for various Volatile Organic Compounds.

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

1487 First Avenue
New York City, New York
Langan Project No.: 100963701

Table with columns for Analyte, CAS Number, NYSDEC Part 375 Unrestricted Use SCOs, NYSDEC Part 375 Protection of Groundwater SCOs, NYSDEC Part 375 Restricted Use Residential SCOs, Location, Sample Name, Sample Date, Sample Depth (ft/bfs), Fill/Unit, and 24 analytical results columns (LB-07 to LSB-16).

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

1487 First Avenue
New York City, New York
Langan Project No.: 100963701

Notes:

CAS - Chemical Abstract Service

NS - No standard

mg/kg - milligram per kilogram

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Sample Depth (fbfbs) - sample depth in feet below former basement slab

Sample Depth (fbsl) - sample depth in feet below sidewalk level

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).

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.

E - The result is estimated and cannot be accurately reported due to levels encountered or interferences. (York)

J - The analyte was detected above the method detection limit (MDL), but below the RL; therefore, the result is an estimated concentration.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

B - The analyte was found in the associated analysis batch blank.

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

1487 First Avenue
New York City, New York
Langan Project No.: 100963701

Analyte	CAS Number	NYSDEC SGVs	Location	MW01	MW02	MW-03	MW-03	MW04	MW05	MW05	MW-6	MW-6	MW-7	MW-7	MW-7
			Sample Name	024_MW01_20211110	023_MW02_20211110	020_MW-03_20211110	021_GWDUP_20211110	022_MW04_20211110	050_MW05	051_DUP-3	064_MW-6_28	065_MW-6_45	061_MW-7_20	062_MW-7_28	063_DUP-5
			Sample Date	11/10/2021	11/10/2021	11/10/2021	11/10/2021	11/10/2021	01/27/2022	01/27/2022	02/02/2022	02/02/2022	02/01/2022	02/02/2022	02/02/2022
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals															
Aluminum	7429-90-5	NS	ug/l	NA	NA	NA	NA	NA	20,100 B	34,600 B	NA	NA	NA	NA	NA
Antimony	7440-36-0	3	ug/l	NA	NA	NA	NA	NA	<1.11 U	<1.11 U	NA	NA	NA	NA	NA
Arsenic	7440-38-2	25	ug/l	1.75	5.54	<1.11 U	<1.11 U	<1.11 U	4.07	6.91	NA	NA	NA	NA	NA
Barium	7440-39-3	1,000	ug/l	97.6	137	36.3	35.6	61.5	283	498	NA	NA	NA	NA	NA
Beryllium	7440-41-7	3	ug/l	<0.333 U	0.335	<0.333 U	<0.333 U	<0.333 U	0.587	0.975	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	ug/l	<0.556 U	1.79	<0.556 U	<0.556 U	<0.556 U	<0.556 U	<0.556 U	NA	NA	NA	NA	NA
Calcium	7440-70-2	NS	ug/l	NA	NA	NA	NA	NA	275,000 B	243,000 B	NA	NA	NA	NA	NA
Chromium, Total	7440-47-3	50	ug/l	16.9	61.8	1.18	<1.11 U	8.36	79.4	146	NA	NA	NA	NA	NA
Cobalt	7440-48-4	NS	ug/l	NA	NA	NA	NA	NA	34.8	53.1	NA	NA	NA	NA	NA
Copper	7440-50-8	200	ug/l	34.4	57.4	5.68	5.06	15.4	83.8	158	NA	NA	NA	NA	NA
Iron	7439-89-6	300	ug/l	NA	NA	NA	NA	NA	34,100	61,000	NA	NA	NA	NA	NA
Lead	7439-92-1	25	ug/l	25.5	41	2.52	2.27	14.5	25.8 B	45.6 B	NA	NA	NA	NA	NA
Magnesium	7439-95-4	35,000	ug/l	NA	NA	NA	NA	NA	96,400	104,000	NA	NA	NA	NA	NA
Manganese	7439-96-5	300	ug/l	1,690 D	25,100 D	2,950 D	2,980 D	4,990 D	5,650	6,060	NA	NA	NA	NA	NA
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	ug/l	66.1	156	16.4	15.6	113	94.5	146	NA	NA	NA	NA	NA
Potassium	7440-09-7	NS	ug/l	NA	NA	NA	NA	NA	28,900	34,400	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	ug/l	8.17	8.81	2.48	2.59	4	23.1	30.3	NA	NA	NA	NA	NA
Silver	7440-22-4	50	ug/l	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<1.11 U	<5.56 U	<5.56 U	NA	NA	NA	NA	NA
Sodium	7440-23-5	20,000	ug/l	NA	NA	NA	NA	NA	130,000	112,000	NA	NA	NA	NA	NA
Thallium	7440-28-0	0.5	ug/l	NA	NA	NA	NA	NA	<1.11 U	<1.11 U	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	ug/l	NA	NA	NA	NA	NA	48.7	90.3	NA	NA	NA	NA	NA
Zinc	7440-66-6	2,000	ug/l	89.1	138	27.2	25.5	63.6	204	357	NA	NA	NA	NA	NA

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

1487 First Avenue
New York City, New York
Langan Project No.: 100963701

Notes:

CAS - Chemical Abstract Service

NS - No standard

ug/l - microgram per liter

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

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

The criteria comparison for total metals (Chromium, Total) is provided for reference. The promulgated SGV shown is for hexavalent chromium.

Qualifiers:

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

E - The result is estimated and cannot be accurately reported due to levels encountered or interferences. (York)

J - The analyte was detected above the method detection limit (MDL), but below the RL; therefore, the result is

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value

B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

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

1487 First Avenue
New York City, New York
Langan Project No.: 100963701

Notes:

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

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

Qualifiers:

D - The concentration reported is a result of a diluted sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
J - The analyte was detected above the method detection limit (MDL), but below the RL; therefore, the result is
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown
B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds NYSDOH Decision Matrices Minimum Concentrations

FIGURES



Notes:
 Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online © 2011 National Geographic Society, i-cubed.

Legend
 Site Boundary

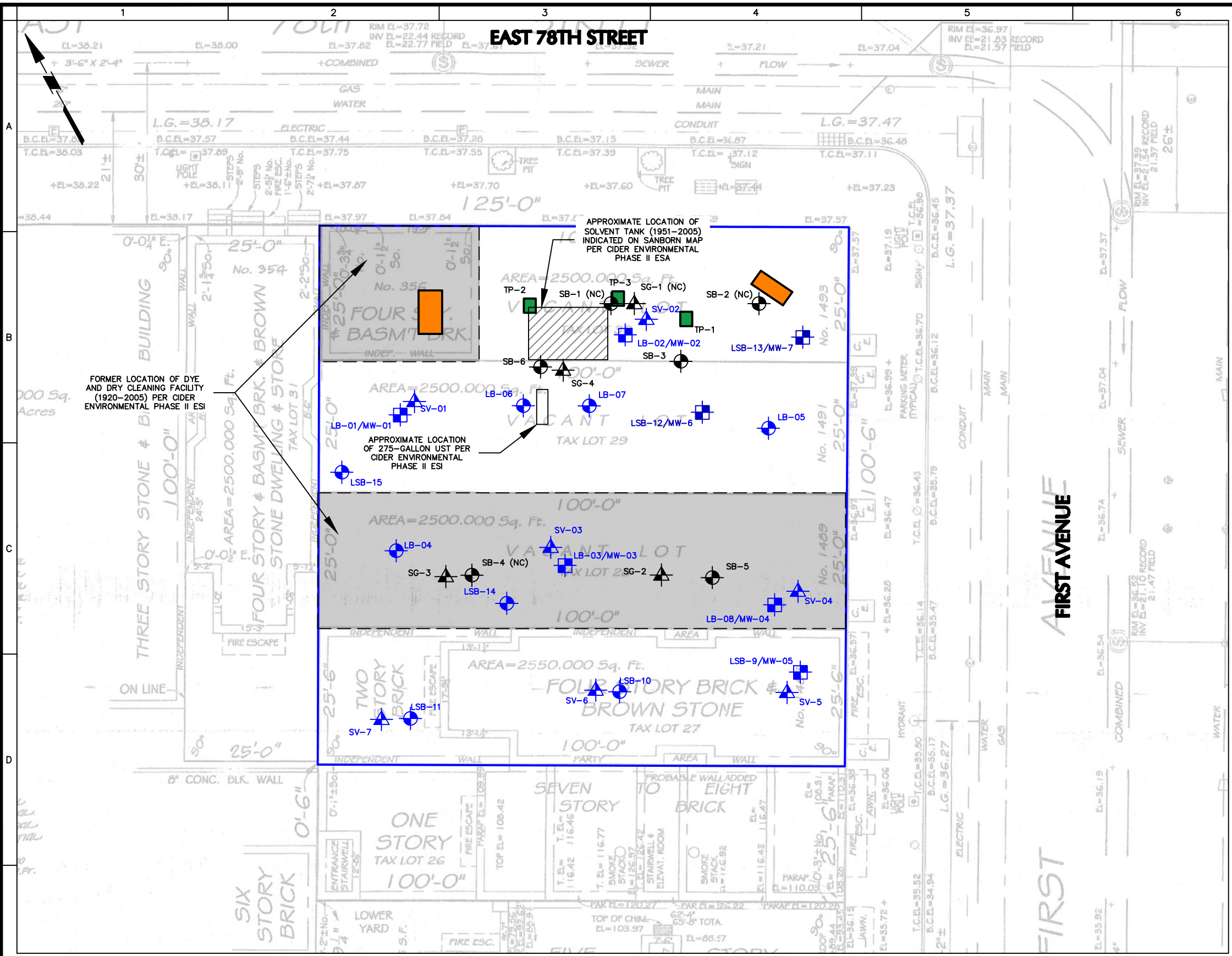
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Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying,
 Landscape Architecture and Geology, D.P.C.
 Langan International LLC
 Collectively known as Langan

Project
1487 FIRST AVENUE
 BLOCK No. 1452, LOT No.27
 MANHATTAN
 NEW YORK NEW YORK

Drawing Title
**SITE
 LOCATION MAP**

Project No. 100963701	Figure 1
Date 2/24/2022	
Scale 1"=2,000'	
Drawn By JF	
Submission Date	



LEGEND

- APPROXIMATE SITE BOUNDARY
- No. 2 FUEL OIL AST LOCATION
- DYE AND DRY CLEANING HISTORICAL SITE USE
- SB-3 PREVIOUS SOIL BORING LOCATION AND ID
- SG-2 PREVIOUS SOIL GAS LOCATION AND ID
- LB-01/MW-01 SOIL BORING AND MONITORING WELL LOCATION AND ID
- LB-04 SOIL BORING LOCATION AND ID
- SV-01 SOIL VAPOR LOCATION AND ID
- LB-01/MW-01 SOIL BORING AND BEDROCK MONITORING WELL LOCATION AND ID
- ENVIRONMENTAL TEST PIT LOCATION

GENERAL NOTES:

1. BASE MAP SOURCE: PROPERTY SURVEY BY HAYNES LAND SURVEYORS OF SYOSSET, NY (DATED SEPTEMBER 14, 2015)
2. SAMPLING LOCATIONS ARE APPROXIMATE.
3. NC - NOT COMPLETED
4. VERTICAL ELEVATION DATUM: NATIONAL VERTICAL DATUM OF 1988 (NAVD88)
5. PREVIOUS SOIL BORING AND SOIL GAS LOCATIONS SAMPLED DURING THE CIDER PHASE II ESA.

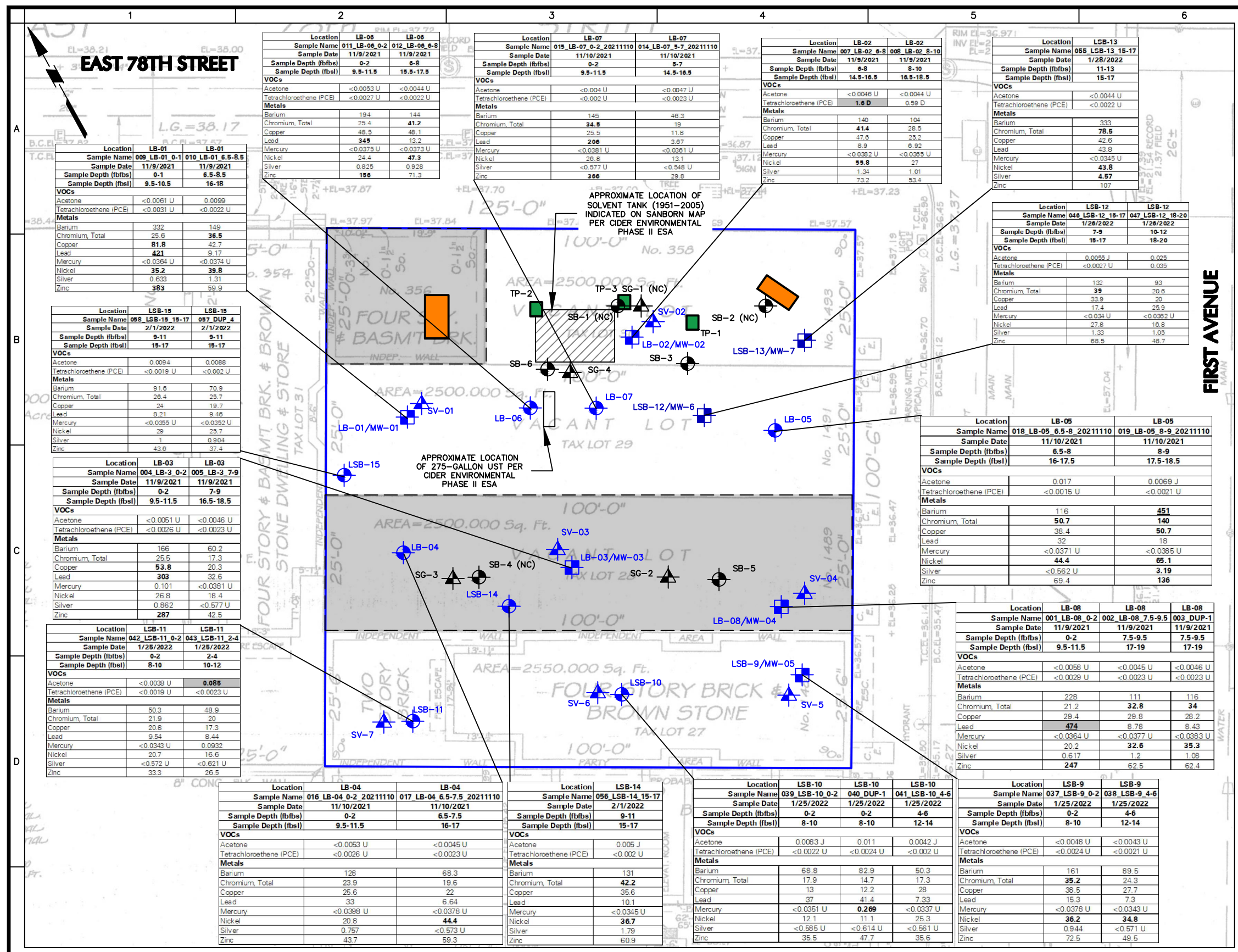
LANGAN
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 NJ Certificate of Authorization No.24GA27996400

Project: **1487 FIRST AVENUE**
BLOCK No. 1452, LOT No.27
MANHATTAN NEW YORK

Drawing Title: **SITE PLAN**
 Project No. 100963701
 Date: 2/24/2022
 Drawn By: GCW
 Checked By: MSR

Drawing No. **2**
 1 1

20 0 5 10 20
 SCALE IN FEET



LEGEND

- APPROXIMATE SITE BOUNDARY
- No. 2 FUEL OIL AST LOCATION
- DYE AND DRY CLEANING HISTORICAL SITE USE
- SB-3
 SG-2
- LB-01/MW-01
- LB-04
- SV-01
- LB-01/MW-01
- ENVIRONMENTAL TEST PIT LOCATION

Analyte	NYSDEC Part 375 Unrestricted Use SCO _s	NYSDEC Part 375 Protection of Groundwater SCO _s	NYSDEC Part 375 Restricted Use Restricted-Residential SCO _s
VOCs			
Acetone	0.05	0.05	100
Tetrachloroethene (PCE)	1.3	1.3	19
Metals			
Barium	350	820	400
Chromium, Total	30	NS	180
Copper	50	1720	270
Lead	63	450	400
Mercury	0.18	0.73	0.81
Nickel	30	130	310
Silver	2	8.3	180
Zinc	109	2480	10000

Exceedance Summary:

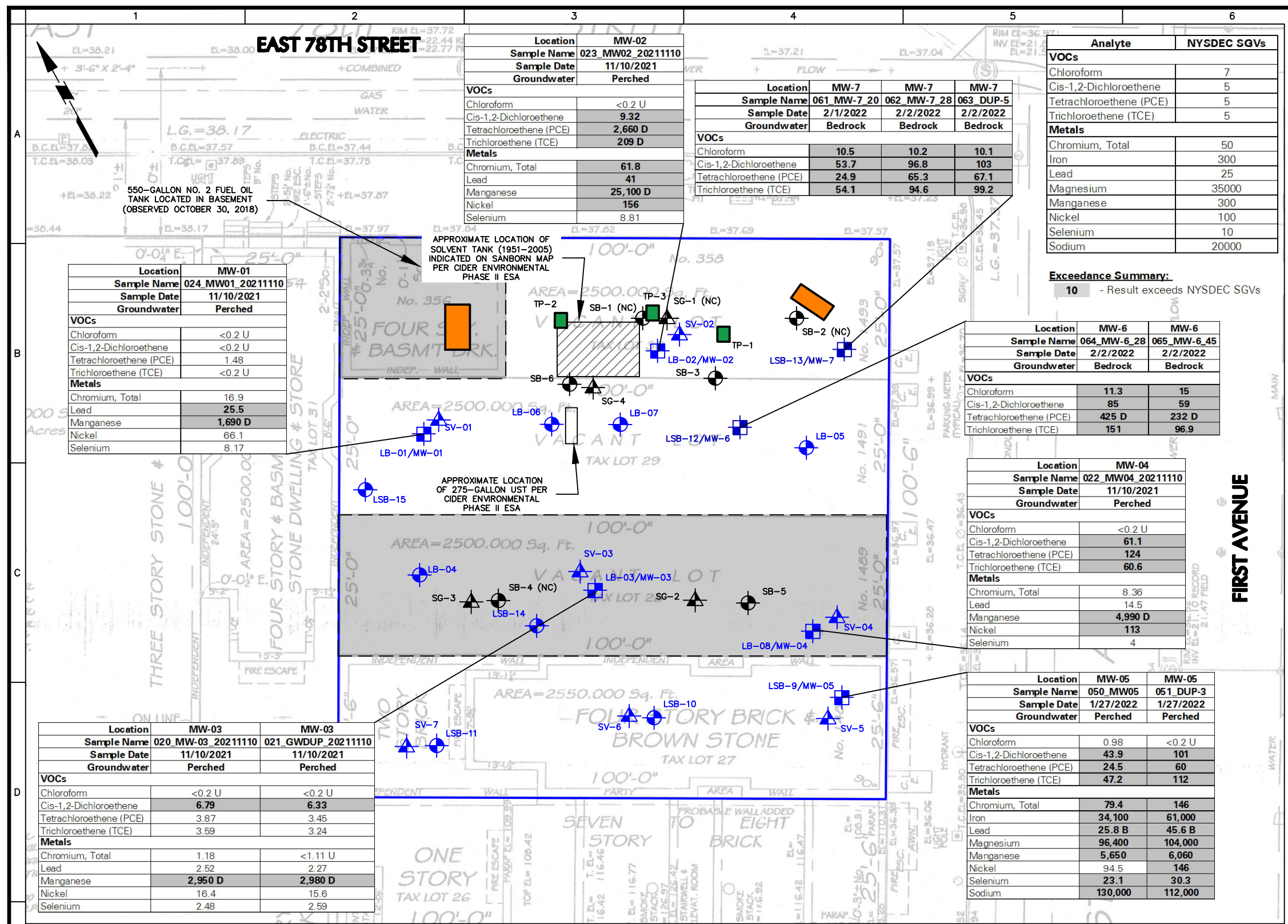
- 10 - Result exceeds Unrestricted Use SCO_s
- 10 - Result exceeds Protection of Groundwater SCO_s
- 10 - Result exceeds Restricted Use Restricted-Residential SCO_s

Notes:
 mg/kg - milligram per kilogram
 NA - Not analyzed
 RL - Reporting limit
 <RL - Not detected
 Sample Depth (fbfbs) - sample depth in feet below former basement slab
 Sample Depth (fbsl) - sample depth in feet below sidewalk level
 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).
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 Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054 T: 973.560.4900 F: 973.560.4901 www.langan.com NJ Certificate of Authorization No.24GA27996400	Project 1487 FIRST AVENUE BLOCK No. 1452, LOT No.27 MANHATTAN NEW YORK	Drawing Title SOIL ANALYTICAL RESULTS	Project No. 100963701	Drawing No. 3
	Date 2/24/2022	Drawn By GCW	Checked By MSR	



LEGEND

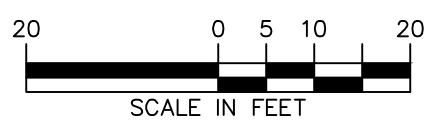
- APPROXIMATE SITE BOUNDARY
- No. 2 FUEL OIL AST LOCATION
- DYE AND DRY CLEANING HISTORICAL SITE USE
- PREVIOUS SOIL BORING LOCATION AND ID
- PREVIOUS SOIL GAS LOCATION AND ID
- SOIL BORING AND MONITORING WELL LOCATION AND ID
- SOIL BORING LOCATION AND ID
- SOIL VAPOR LOCATION AND ID
- SOIL BORING AND BEDROCK MONITORING WELL LOCATION AND ID
- ENVIRONMENTAL TEST PIT LOCATION

Notes:
 ug/l - microgram per liter
 NA - Not analyzed
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 Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as

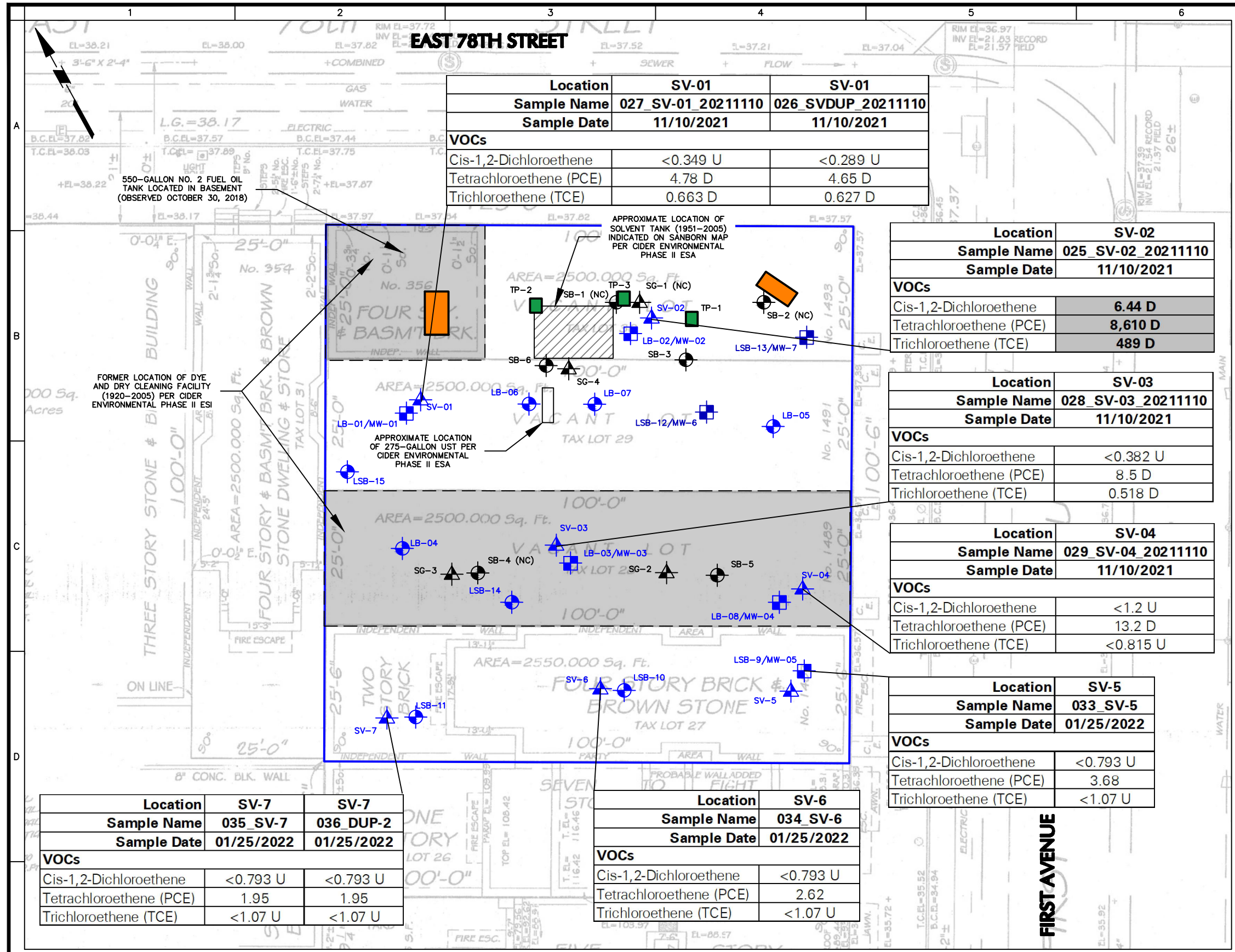
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LANGAN Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 300 Kimball Drive Parsippany, NJ 07054 T: 973.560.4900 F: 973.560.4901 www.langan.com NJ Certificate of Authorization No.24GA27996400	Project 1487 FIRST AVENUE BLOCK No. 1452, LOT No.27 MANHATTAN NEW YORK	Drawing Title GROUNDWATER ANALYTICAL RESULTS	Project No. 100963701	Drawing No. 4
	Date 2/24/2022	Drawn By GCW	Checked By MSR	



Location	SV-01	SV-01
Sample Name	027_SV-01_20211110	026_SVDUP_20211110
Sample Date	11/10/2021	11/10/2021
VOCs		
Cis-1,2-Dichloroethene	<0.349 U	<0.289 U
Tetrachloroethene (PCE)	4.78 D	4.65 D
Trichloroethene (TCE)	0.663 D	0.627 D

Location	SV-02
Sample Name	025_SV-02_20211110
Sample Date	11/10/2021
VOCs	
Cis-1,2-Dichloroethene	6.44 D
Tetrachloroethene (PCE)	8,610 D
Trichloroethene (TCE)	489 D

Location	SV-03
Sample Name	028_SV-03_20211110
Sample Date	11/10/2021
VOCs	
Cis-1,2-Dichloroethene	<0.382 U
Tetrachloroethene (PCE)	8.5 D
Trichloroethene (TCE)	0.518 D

Location	SV-04
Sample Name	029_SV-04_20211110
Sample Date	11/10/2021
VOCs	
Cis-1,2-Dichloroethene	<1.2 U
Tetrachloroethene (PCE)	13.2 D
Trichloroethene (TCE)	<0.815 U

Location	SV-5
Sample Name	033_SV-5
Sample Date	01/25/2022
VOCs	
Cis-1,2-Dichloroethene	<0.793 U
Tetrachloroethene (PCE)	3.68
Trichloroethene (TCE)	<1.07 U

Location	SV-6
Sample Name	034_SV-6
Sample Date	01/25/2022
VOCs	
Cis-1,2-Dichloroethene	<0.793 U
Tetrachloroethene (PCE)	2.62
Trichloroethene (TCE)	<1.07 U

Location	SV-7	SV-7
Sample Name	035_SV-7	036_DUP-2
Sample Date	01/25/2022	01/25/2022
VOCs		
Cis-1,2-Dichloroethene	<0.793 U	<0.793 U
Tetrachloroethene (PCE)	1.95	1.95
Trichloroethene (TCE)	<1.07 U	<1.07 U

LEGEND

- APPROXIMATE SITE BOUNDARY
- No. 2 FUEL OIL AST LOCATION
- DYE AND DRY CLEANING HISTORICAL SITE USE
- PREVIOUS SOIL BORING LOCATION AND ID
- PREVIOUS SOIL GAS LOCATION AND ID
- SOIL BORING AND MONITORING WELL LOCATION AND ID
- SOIL BORING LOCATION AND ID
- SOIL VAPOR LOCATION AND ID
- SOIL BORING AND BEDROCK MONITORING WELL LOCATION AND ID
- ENVIRONMENTAL TEST PIT LOCATION

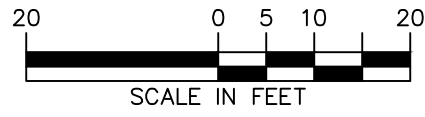
Notes:
 SV - Soil Vapor
 ug/m3 - microgram per cubic meter
 NA - Not analyzed
 RL - Reporting limit
 <RL - Not detected
 Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
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Analyte	NYSDOH Decision Matrices Minimum Concentrations
VOCs	
Cis-1,2-Dichloroethene	6
Tetrachloroethene (PCE)	100
Trichloroethene (TCE)	6

Exceedance Summary:
10 - Result exceeds NYSDOH Decision Matrices Minimum Concentrations

GENERAL NOTES:

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Project
1487 FIRST AVENUE
 BLOCK No. 1452, LOT No.27
 MANHATTAN
 NEW YORK NEW YORK

Drawing Title
SOIL VAPOR ANALYTICAL RESULTS

Project No. 100963701
 Date 2/24/2022
 Drawn By GCW
 Checked By MSR
 Drawing No. **5**

ATTACHMENT A

SOIL BORING LOGS

LANGAN

Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 28 NAVD 88		
Drilling Company AARCO Environmental Services Corp.			Date Started 11/9/21		Date Finished 11/9/21
Drilling Equipment Geoprobe 7822 DT			Completion Depth 10 ft		Rock Depth --
Size and Type of Bit 2in Direct Push			Number of Samples 2		Disturbed --
Casing Diameter (in) --			Casing Depth (ft) --		Undisturbed --
Casing Hammer --			Weight (lbs) --		Drop (in) --
Sampler 1.75-inch x 5-foot acetate liner			Water Level (ft.) First ∇ 8.5		
Sampler Hammer --			Weight (lbs) --		Drop (in) --
			Drilling Foreman Jose Garcia		
			Field Engineer Molly Mattern		

I:\LANGAN.COM\DATA\PAR\DATA71\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\100963701 ENTERPRISE.GPJ ... 12/2/2021 10:22:48 AM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/ft			
	0	Brown SAND, trace brick, trace organics (dry)	0	M-1	Macrocore	48			Started Drilling on 11/9/2021.	
	1	Tannish brown to mottled tannish gray fine SAND, some silt, trace clay (dry)	1						0.0	Collect 009_LB-01_0-1 from 0- to 1-ft bgs. VOCs collected from 0.5- to 1-ft bgs.
	2		2						0.0	
	3		3						0.0	
	4		4						0.0	
	5	Reddish brown fine-medium SAND, trace silt, trace fine gravel (moist)	5	M-2	Macrocore	48			Collect 010_LB-01_6.5-8.5 from 6.5- to 8.5-ft bgs. VOCs collected from 6.5- to 7-ft bgs.	
	6		6						0.0	
	7		7						0.0	
	8		8						0.0	
	9	Reddish brown fine SAND, trace clay, trace silt, trace f-m gravel (wet)	9						0.0	
		10			Refusal encountered at 10' bgs.					
		11								
		12								
		13								
		14								
		15								
		16								
		17								
		18								
		19								
		20								

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Project 1487 First Avenue Development			Project No. 100963701			
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 29 NAVD 88			
Drilling Company AARCO Environmental Services Corp.		Date Started 11/9/21		Date Finished 11/9/21		
Drilling Equipment Geoprobe 420M			Completion Depth 10 ft		Rock Depth --	
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 4	Undisturbed --	
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 8	Completion --	Core --	24 HR. --
Casing Hammer --		Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 1.75-inch x 3-foot acetate liner			Field Engineer Molly Mattern			
Sampler Hammer --		Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	BL/Join	
	0	Brown fine-medium SAND, some organics, trace f-m gravel (dry)	0						Started Drilling on 11/9/2021.
	1		1	M-1	Macrocore	36			
	2	Tannish brown to grayish brown fine SAND, some silt, trace clay (dry)	2						
	3		3						
	4		4	M-2	Macrocore	36			
	5		5						
	6	Reddish brown fine-medium SAND, trace clay, trace silt (moist)	6						
	7	Reddish brown fine-medium SAND, trace clay, trace silt (moist)	7						
	8		8	M-3	Macrocore	36			
	9		9						
	10	Reddish brown fine-medium SAND, trace clay, trace silt (wet)	10	M-4	Macrocore	12			
	11		11						
	12		12						
	13		13						
	14		14						
	15		15						
	16		16						
	17		17						
	18		18						
	19		19						
	20		20						

Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 28 NAVD 88		
Drilling Company AARCO Environmental Services Corp.			Date Started 11/9/21		Date Finished 11/9/21
Drilling Equipment Geoprobe 7822 DT			Completion Depth 13 ft		Rock Depth --
Size and Type of Bit 2in Direct Push			Number of Samples 3		Disturbed --
Casing Diameter (in) --			Casing Depth (ft) --		Core --
Casing Hammer --			Weight (lbs) --		Drop (in) --
Sampler 1.75-inch x 5-foot acetate liner			Drilling Foreman Jose Garcia		
Sampler Hammer --			Weight (lbs) --		Drop (in) --
			Field Engineer Molly Mattern		

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	BL/Join		
	0	Brown fine-medium SAND, some wood, some organics, trace concrete, trace f-m gravel (dry)	0						0.0	Started Drilling on 11/9/2021. Collect 004_LB-3_0-2 from 0- to 2-ft bgs. VOCs collected from 1- to 1.5-ft bgs. Collect 005_LB-3_7-9 from 7- to 9-ft bgs. VOCs collected from 7- to 7.5-ft bgs. Refusal encountered at 13' bgs.
	1		1						0.0	
	2	Mottled grayish tan fine SAND, some silt, trace clay (dry)	2	M-1	Macrocore	48			0.0	
	3		3						0.0	
	4		4						0.0	
	5	Reddish brown fine-medium SAND, trace silt, trace fine gravel (moist)	5						0.0	
	6		6						0.0	
	7		7	M-2	Macrocore	48			0.0	
	8		8						0.0	
	9	Reddish brown fine-medium SAND, trace silt, trace fine gravel (wet)	9						0.0	
	10		10						0.0	
	11		11	M-3	Macrocore	36			0.0	
	12	Brownish gray fine-medium SAND, some silt, some weathered mica schist (moist)	12						0.0	
13		13						0.0		
14		14						0.0		
15		15						0.0		
16		16						0.0		
17		17						0.0		
18		18						0.0		
19		19						0.0		
20		20						0.0		

Project 1487 First Avenue Development			Project No. 100963701			
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 28 NAVD 88			
Drilling Company AARCO Environmental Services Corp.		Date Started 11/10/21		Date Finished 11/10/21		
Drilling Equipment Geoprobe 7822 DT			Completion Depth 11 ft		Rock Depth --	
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed --	
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 7.5		Completion --	Core --
Casing Hammer --		Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Audrey Seery			
Sampler Hammer --		Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist	BL/Join		PID Reading (ppm)	
	0	Dark brown to light brown fine SAND, trace fine gravel, Brick, woody vegetation (moist)	0	M-1	Macrocore	36			0.0	Started drilling on 11/10/2021. Collected 016_LB-04_0-2 from 0- to 2-ft bgs. VOCs collected from 0.5- to 1-ft bgs.	
	1		0.0								
	2	Dark brown to light brown fine SAND, trace fine gravel (moist)	2						0.0		
	3		3						0.0		
	4		4						0.0		
	5		5						0.0		
	6		6						0.0		
	7		7	M-2	Macrocore	42			0.0		
	8	Brown fine SAND, some silt, trace fine gravel (wet)	8						0.0		Collected 017_LB-04_6.5-7.5 from 6.5- to 7.5-ft bgs. VOCs collected from 6.5- to 7-ft bgs.
	9		9						0.0		
	10		10						0.0		
	11		11	M-3	Macrocore	12			0.0		
	12	Gray to black fine SAND, some weathered mica schist (dry)	12						0.0	Refusal encountered at 11' bgs.	
	13		13						0.0		
	14		14						0.0		
	15		15						0.0		
	16		16						0.0		
	17		17						0.0		
	18		18						0.0		
	19		19						0.0		
	20		20						0.0		

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Project 1487 First Avenue Development			Project No. 100963701			
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 28 NAVD 88			
Drilling Company AARCO Environmental Services Corp.		Date Started 11/10/21		Date Finished 11/10/21		
Drilling Equipment Geoprobe 7822 DT			Completion Depth 13 ft		Rock Depth --	
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed --	
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 8		Completion --	Core 24 HR. --
Casing Hammer --		Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Audrey Seery			
Sampler Hammer --		Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist	BL/Join		PID Reading (ppm)
		Brown to light brown fine SAND, trace silt, trace fine gravel, woody vegetation, brick (moist)	0							Started drilling on 11/10/2021. Collected 018_LB-05_6.5-8 from 6.5- to 8-ft bgs. VOCs collected from 6.5- to 7-ft bgs. Slight odor at 7-ft bgs. Collected 019_LB-05_8-9 from 8- to 9-ft bgs. VOCs collected from 8- to 8.5-ft bgs. Odor between 8- and 9-ft bgs. Refusal encountered at 13' bgs.
		Light brown silty fine SAND (moist)	1							
			2	M-1	Macrocore	40				
			3							
			4							
			5							
			6							
		Gray to reddish brown fine SAND, some silt (moist)	7	M-2	Macrocore	40				
		Gray to reddish brown fine SAND, some silt (wet)	8							
			9							
			10							
			11	M-3	Macrocore	16				
		Grayish brown to olive silty fine SAND (wet)	12							
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 28 NAVD 88		
Drilling Company AARCO Environmental Services Corp.		Date Started 11/9/21		Date Finished 11/9/21	
Drilling Equipment Geoprobe 7822 DT			Completion Depth 11 ft		Rock Depth --
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed --
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 8	Completion --	Core --
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Molly Mattern		
Sampler Hammer --	Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	BL/Join	
	0	Brown SAND, some organics, trace concrete (dry)	0						Started Drilling on 11/9/2021. Collect 011_LB-06_0-2 from 0- to 2-ft bgs. VOCs collected from 1- to 1.5-ft bgs.
	1		1						
	2		2	M-1	Macrocore	48			
	3		3						
	4		4						
	5	Reddish brown fine SAND, some silt, trace clay (moist)	5						Collect 012_LB-06_6-8 from 6- to 8-ft bgs. VOCs collected from 6- to 6.5-ft bgs.
	6		6						
	7		7	M-2	Macrocore	48			
	8	Tannish brown to reddish brown fine-medium SAND, trace silt, trace fine gravel (wet)	8						Refusal encountered at 11' bgs.
	9		9						
	10		10	M-3	Macrocore	12			
	11		11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Project 1487 First Avenue Development			Project No. 100963701			
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 28 NAVD 88			
Drilling Company AARCO Environmental Services Corp.		Date Started 11/10/21		Date Finished 11/10/21		
Drilling Equipment Geoprobe 7822 DT			Completion Depth 10 ft		Rock Depth --	
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 2	Undisturbed --	
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 7	Completion --	24 HR. --	
Casing Hammer --		Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Audrey Seery			
Sampler Hammer --		Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	BL/Join		
[Cross-hatch pattern]	0	Dark brown to gray fine SAND, some silt, trace fine gravel, brick, woody vegetation (moist)	0	M-1	Macrocore	42			0.0	Started drilling on 11/10/2021. Collected 015_LB-07_0-2 from 0- to 2-ft bgs. VOCs collected from 1- to 1.5' bgs.
	1		0.0							
2		0.0								
3		0.0								
4		0.0								
[Dotted pattern]	5	Light brown to olive SILT, trace fine sand, trace fine gravel (moist) Orangish brown to light gray fine SAND, some silt, trace fine gravel (moist)	5	M-2	Macrocore	48			0.0	Collected 014_LB-07_5-7 from 5- to 7-ft bgs. VOCs collected from 5- to 5.5-ft bgs.
	6		0.0							
	7		0.0							
8		0.0								
9		0.0								
10		0.0								
11		0.0								
[Dotted pattern]	12	Brown fine SAND, trace silt, trace fine gravel (moist)	12						0.0	Refusal encountered at 10' bgs.
	13		0.0							
	14		0.0							
	15		0.0							
	16		0.0							
	17		0.0							
	18		0.0							
	19		0.0							
	20		0.0							
		Gray to black fine SAND, weathered mica schist (dry)								

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Project 1487 First Avenue Development		Project No. 100963701	
Location 1487 First Avenue, New York, NY		Elevation and Datum Approximate el. 28 NAVD 88	
Drilling Company AARCO Environmental Services Corp.		Date Started 11/9/21	Date Finished 11/9/21
Drilling Equipment Geoprobe 7822 DT		Completion Depth 14 ft	Rock Depth --
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 1.75-inch x 5-foot acetate liner		Drilling Foreman Jose Garcia	
Sampler Hammer --		Weight (lbs) --	
		Drop (in) --	
		Field Engineer Molly Mattern	

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/ft		
	0	Brown fine-medium SAND, trace wood, trace fine gravel, trace organics (dry)	0					0.0	Started Drilling on 11/9/2021. Collect 001_LB-08_0-2 from 0- to 2-ft bgs. VOCs collected from 0.5- to 1-ft bgs. Collect 002_LB-08_7.5-9.5 and 003_DUP-1 from 7.5- to 9.5-ft bgs. VOCs collected from 7.5- to 8-ft bgs. Refusal encountered at 14' bgs.
	1							0.0	
	2	Mottled grayish tan fine SAND, some clay, trace silt (moist)		M-1	Macrocore	42		0.0	
	3							0.0	
	4							0.0	
	5							0.0	
	6	Reddish brown fine-medium SAND, trace gravel (moist)						0.0	
	7	Reddish brown to brown fine-medium SAND, trace clay, trace silt, trace fine gravel (moist)		M-2	Macrocore	48		0.0	
	8							0.0	
	9							0.0	
	10	Reddish brown to tannish brown fine-medium SAND, trace silt (wet) Brown fine-medium SAND, trace fine gravel (wet)						0.0	
	11							0.0	
	12							0.0	
	13	Brown fine-medium SAND, some weathered mica schist (moist)		M-3	Macrocore	48		0.0	
14							0.0		
15							0.0		
16							0.0		
17							0.0		
18							0.0		
19							0.0		
20							0.0		

Project 1487 First Avenue Development			Project No. 100963701			
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 29 NAVD 88			
Drilling Company AARCO Environmental Services Corp.		Date Started 1/25/22		Date Finished 1/25/22		
Drilling Equipment Geoprobe 7822 DT			Completion Depth 9 ft		Rock Depth --	
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 3	Undisturbed --	
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 6	Completion --	24 HR. --	
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia			
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Morgan McBride			
Sampler Hammer --	Weight (lbs) --	Drop (in) --				

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in		
		CONCRETE	0					0	Started drilling on 1/25/2022. 11:15 AM - Collect sample 038_LSB-9_0-2 from 0-2' below cellar slab. VOCs collected from 0.5-1' below cellar slab. 11:20 AM - Collect sample 038_LSB-9_4-6 from 4-6' below cellar slab. VOCs collected from 4.5-5' below cellar slab. Bottom of boring 9' below cellar slab. Refusal encountered at 9.5' below cellar slab.
		Brown fine-medium SAND, trace silt, trace gravel (dry)	1	M-1	Macrocore	30		0	
		Brown fine-medium SAND, some clay, trace silt (dry)	2					0	
		Brown fine-medium SAND, some clay, trace silt (moist)	3					0	
			4	M-2	Macrocore	36		0	
			5					0	
			6					0	
		Brown fine-medium SAND, some clay, trace silt (wet)	7					0	
			8	M-3	Macrocore	34		0	
			9					0	
			10					0	
			11					0	
			12					0	
			13					0	
			14					0	
			15					0	
			16					0	
			17					0	
			18					0	
			19					0	
			20					0	

Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 29 NAVD 88		
Drilling Company AARCO Environmental Services Corp.		Date Started 1/25/22		Date Finished 1/25/22	
Drilling Equipment Geoprobe 7822 DT			Completion Depth 11 ft		Rock Depth --
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 4	Undisturbed --
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 6	Completion --	Core 24 HR. --
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Morgan McBride		
Sampler Hammer --		Weight (lbs) --	Drop (in) --		

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)		
[Concrete Symbol]	0	CONCRETE	0						Started Drilling on 1/25/2022. 12:30 PM - Collect sample 039_LSB-10_0-2 and 040_DUP-1 from 0-2' below cellar slab. VOCs collected from 0.5-1' below cellar slab.	
	1	Brown clayey fine SAND, some silt (dry)	1	M-1	Macrocore	24		0		
	2						0			
	3						0			
[Sand Symbol]	3	Brown silty SAND, trace clay (dry)	3						12:40 AM - Collect sample 041_LSB-10_4-6 from 4-6' below cellar slab. VOCs collected from 4.5-5' below cellar slab.	
	4	Brown silty SAND, some clay (moist)	4	M-2	Macrocore	36		0		
	5						0			
6					0					
[Sand Symbol]	6	Brown silty SAND, trace clay (wet)	6							Bottom of boring at 11' below cellar slab. Refusal encountered at 11' below cellar slab.
	7	Brown silty SAND, trace clay (wet)	7	M-3	Macrocore	36		0		
	8						0			
	9						0			
10					0					
[Sand Symbol]	10	Brown silty SAND, trace clay (wet)	10	M-4	Macrocore	18		0		
	11						0			
	12						0			
	13						0			
	14						0			
	15						0			
	16						0			
	17						0			
	18						0			
	19						0			
20										

Project 1487 First Avenue Development			Project No. 100963701			
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 29 NAVD 88			
Drilling Company AARCO Environmental Services Corp.		Date Started 1/25/22		Date Finished 1/25/22		
Drilling Equipment Geoprobe 7822 DT			Completion Depth 6 ft		Rock Depth --	
Size and Type of Bit 2in Direct Push			Number of Samples	Disturbed 2	Undisturbed --	
Casing Diameter (in) --		Casing Depth (ft) --	Water Level (ft.) First 4	Completion --	24 HR. --	
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia			
Sampler 1.75-inch x 5-foot acetate liner			Field Engineer Morgan McBride			
Sampler Hammer --	Weight (lbs) --	Drop (in) --				

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BU/in		
		CONCRETE	0					0	Started Drilling on 1/25/2022. 2:25 PM - Collect sample 042_LSB-11_0-2 from 0-2' below cellar slab. VOCs collected from 0.5-1' below cellar slab. 2:30 PM - Collect sample 0043_LSB-11_2-4 from 2-4' below cellar slab. VOCs collected from 2.5-3' below cellar slab. Bottom of boring at 6' below cellar slab. Refusal encountered at 6' below cellar slab.
		Light brown sandy CLAY, some silt, trace brick (dry)	1	M-1	Macrocore	18		0	
		Brown silty fine-medium SAND, trace clay (moist)	3					0	
		Brown silty fine-medium SAND, trace clay (wet)	4	M-2	Macrocore	36		0	
		Brown sandy CLAY (wet)	5					0	
			6					0	
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 29 NAVD 88		
Drilling Company AARCO Environmental Services Corp.		Date Started 1/31/33		Date Finished 1/31/22	
Drilling Equipment Geoprobe 7822 DT		Completion Depth 50 ft		Rock Depth 27 ft	
Size and Type of Bit 2in Direct Push		Number of Samples	Disturbed 7	Undisturbed --	Core 5
Casing Diameter (in) --	Casing Depth (ft) --	Water Level (ft.) First ∇ 18	Completion ∇ --	24 HR. ∇ --	--
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 2-inch-diameter split spoon; Shelby tube			Field Engineer Morgan McBride		
Sampler Hammer --	Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BLU/in		
				0						Started Drilling on 1/31/2022. Started drilling at 8 feet below sidewalk level (bsl) due to grade of site.
		Brown fine SAND, brick fragments (dry)		1						
				2						
				3						
				4						
				5						
				6						
				7						
		Brown fine SAND, brick fragments (dry)		8				0		
				9	S-1	SS	6	0		
		Brown fine-medium SAND, trace brick, trace silt, trace gravel (dry)		10				0		
				11	S-2	SS	18	0		
		Brown fine-medium SAND, trace gravel (dry)		12				0		
				13	S-3	SS	6	0		
		Brown fine-medium SAND, trace silt, trace gravel (dry)		14				0		
				15	S-4	SS	12	0		
				16				0	9:30 AM - Collect sample 046_LSB-12_15-17 from 15-17' bsl. VOCs collected from 15.5-16' bsl.	
				17	S-5	SS	18	0		
		Brown fine-medium SAND, trace silt, trace gravel (wet)		18				0	9:45 AM - Collect sample 047_LSB-12_18-20 from 18-20' bsl. VOCs collected from 18.5-19' bsl.	
				19	S-6	SS	18	0		
				20				0		

Project		Project No.								
1487 First Avenue Development		100963701								
Location		Elevation and Datum								
1487 First Avenue, New York, NY		Approximate el. 29 NAVD 88								
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
				20					0	9:55 AM - Collect sample 048 LSB-12 20-22 from 20-22' bsl. VOCs collected from 20.5-21' bsl.
				21	S-7	SS	18		0	
		Black WEATHERED ROCK (moist)		22					0	Refusal encountered at 22' bsl. Begin rock coring at 22' bsl.
				23					0	
				24					0	
				25	C-1	NX CORE BARREL	12		0	
				26						
				27						
			Gray MICA SCHIST; moderately weathered; extremely close to very close fracture spacing	3:56						
				3:22						
				3:17	C-2	NX CORE BARREL	49			
				4:02						
			4:48							
		Gray MICA SCHIST; moderately weathered; extremely close to very close fracture spacing	3:39							
			3:52	C-3	NX CORE BARREL	36				
			4:12							
		Gray MICA SCHIST; moderately weathered; extremely close to very close fracture spacing	3:41							
			3:18	C-4	NX CORE BARREL	51				
			3:11							
			4:37							
			4:10							
		Gray MICA SCHIST; moderately weathered; extremely close to very close fracture spacing	4:03							
			5:58	C-5	NX CORE BARREL	60				
			4:53							
			2:55							
			4:26							
				45						

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Project		Project No.								
1487 First Avenue Development		100963701								
Location		Elevation and Datum								
1487 First Avenue, New York, NY		Approximate el. 29 NAVD 88								
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
		Gray MICA SCHIST; moderately weathered; extremely close to very close fracture spacing	8:24	45	C-6	NX CORE BARREL	60			
			5:58	46						
			4:22	47						
			4:01	48						
			3:37	49						
				50						
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									
	62									
	63									
	64									
	65									
	66									
	67									
	68									
	69									
	70									

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Bottom of boring at 50' bsl.

Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 33 NAVD 88		
Drilling Company AARCO Environmental Services Corp.		Date Started 1/28/22		Date Finished 1/28/22	
Drilling Equipment Geoprobe 7822 DT		Completion Depth 50 ft		Rock Depth 17 ft	
Size and Type of Bit 2in Direct Push		Number of Samples	Disturbed 7	Undisturbed --	Core 7
Casing Diameter (in) --		Casing Depth (ft) --		Water Level (ft.) First 10	Completion 24 HR. --
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia		
Sampler 2-inch-diameter split spoon; Shelby tube			Field Engineer Morgan McBride		
Sampler Hammer --	Weight (lbs) --	Drop (in) --			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
				0						
		Brown fine-medium SAND, brick fragments (dry)		1						
				2						
				3						
		Brown fine-medium SAND, some brick (dry)		4					0	Started Drilling on 1/28/2022. Started drilling at 4 feet below sidewalk level (bsl) due to grade of site.
				5	S-1	SS	18		0	
				6					0	
		Brown fine-medium SAND, trace brick, trace gravel (dry)		7	S-2	SS	18		0	
				8					0	
				9	S-3	SS	12		0	
				10					0	
		Brown fine-medium SAND, trace gravel (wet)		11	S-4	SS	12		4.8	Slight product and odors observed at 11-11.5' bsl.
				12					7.2	
				13	S-5	SS	18		21.6	
				14					11.6	
				15	S-6	SS	20		0.5	
				16					0.3	
		Black WEATHERED ROCK (moist)		17	S-7	SS	12		0	9:50 AM - Collect sample 055 LSB-13 15-17 from 15-17' bsl. VOCs collected from 15.5-16' bsl.
		Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	5:24	18					0	
			5:03	19	C-1	NX CORE BARREL	23		0	
			5:31	20					0	Refusal encountered at 17' bsl. Begin rock coring at 17' bsl.

Project		Project No.							
1487 First Avenue Development		100963701							
Location		Elevation and Datum							
1487 First Avenue, New York, NY		Approximate el. 33 NAVD 88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/6in	
			20						
			5:10						
				21					
				4:46	C-1		23		
			Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	22					
				3:47					
				23					
				5:16	C-2	NX CORE BARREL	32		
				24					
				5:33					
			Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	25					
				6:27					
				26					
				6:05					
				27					
				6:13	C-3	NX CORE BARREL	56		
				28					
				4:02					
				29					
				5:09					
		Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	30						
			3:47						
			31						
			4:28						
			32						
			6:09	C-4	NX CORE BARREL	53			
			33						
			8:45						
			34						
			6:32						
		Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	35						
			7:14						
			36						
			4:18						
			37						
			2:58	C-5	NX CORE BARREL	54			
			38						
			4:47						
			39						
			12:45						
		Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	40						
			3:52						
			41						
			4:13						
			42						
			4:51	C-6	NX CORE BARREL	35			
			43						
			5:30						
			44						
			4:07						
			45						

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Project		Project No.							
1487 First Avenue Development		100963701							
Location		Elevation and Datum							
1487 First Avenue, New York, NY		Approximate el. 33 NAVD 88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/6in	
		Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing	5:30	45	C-7	NX CORE BARREL	39		
			5:22	46					
			4:47	47					
			4:53	48					
			4:53	49					
			5:28	49					
			50						Bottom of boring at 50' bsl.
				51					
				52					
				53					
				54					
				55					
				56					
				57					
				58					
				59					
				60					
				61					
				62					
				63					
				64					
				65					
				66					
				67					
				68					
				69					
				70					

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Project 1487 First Avenue Development			Project No. 100963701		
Location 1487 First Avenue, New York, NY			Elevation and Datum Approximate el. 31 NAVD 88		
Drilling Company AARCO Environmental Services Corp.			Date Started 2/1/22		Date Finished 2/1/22
Drilling Equipment Geoprobe 7822 DT			Completion Depth 21 ft		Rock Depth 18 ft
Size and Type of Bit 2in Direct Push			Number of Samples 7		Disturbed --
Casing Diameter (in) --			Casing Depth (ft) --		Undisturbed --
Casing Hammer --			Weight (lbs) --		Drop (in) --
Sampler 2-inch-diameter split spoon; Shelby tube			Water Level (ft.) First 16		Completion --
Sampler Hammer --			Weight (lbs) --		Drop (in) --
			Drilling Foreman Jose Garcia		
			Field Engineer Morgan McBride		

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)		
				0							
		Gray coarse GRAVEL (dry)		1							
		Red brick (dry)		2							
		Brown sandy SILT, trace brick, trace gravel (dry)		3							
		Brown sandy SILT, trace gravel (dry)		4							
		Brown sandy SILT, trace brick, trace gravel (dry)		5							
		Reddish brown sandy SILT, trace gravel (wet)		6	S-1	SS	6		0		Started drilling on 2/1/2022. Started drilling at 6 feet below sidewalk level (bsl) due to grade of site.
		Reddish brown silty CLAY (moist)		7					0		
		Brown sandy SILT, trace gravel (moist)		8	S-2	SS	12		0		
		Reddish brown medium-coarse SAND, trace gravel (wet)		9					0		
		Brown silty fine-medium SAND, trace gravel (wet)		10	S-3	SS	18		0		
		Black WEATHERED ROCK (moist)		11					0.1		
		Dark gray MICA SCHIST; slightly weathered; very close fracture spacing		12	S-4	SS	18		0		
				13					0		
				14	S-5	SS	22		0.1		
				15					0.1		
				16	S-6	SS	18		0.1		
				17					0		
				18					0		
				19	C-1	NX CORE BARREL	1.5		0		9:00 AM - Collect sample 056_LSB-14_15-17 and 057_DUP-4 from 15-17' bsl. VOCs collected from 15.5-16' bsl.
				20					0		Refusal encountered at 18' bsl. Begin rock coring at 18' bsl.

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Log of Boring

LSB-14

Sheet

2

of

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Project		Project No.							
1487 First Avenue Development		100963701							
Location		Elevation and Datum							
1487 First Avenue, New York, NY		Approximate el. 31 NAVD 88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/6in	
▲▲▲▲▲			6:12	20	C-1		1.5		
				21					Bottom of boring at 21' bsl.
				22					
				23					
				24					
				25					
				26					
				27					
				28					
				29					
				30					
				31					
				32					
				33					
				34					
				35					
				36					
				37					
				38					
				39					
				40					
				41					
				42					
				43					
				44					
				45					

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Project 1487 First Avenue Development	Project No. 100963701			
Location 1487 First Avenue, New York, NY	Elevation and Datum Approximate el. 31 NAVD 88			
Drilling Company AARCO Environmental Services Corp.	Date Started 2/1/22	Date Finished 2/1/22		
Drilling Equipment Geoprobe 7822 DT	Completion Depth 20.5 ft	Rock Depth 17.5 ft		
Size and Type of Bit 2in Direct Push	Number of Samples	Disturbed 7	Undisturbed --	Core --
Casing Diameter (in) --	Casing Depth (ft) --	Water Level (ft.) First ▽ 12	Completion ▽ --	24 HR. ▽ --
Casing Hammer --	Weight (lbs) --	Drop (in) --	Drilling Foreman Jose Garcia	
Sampler 2-inch-diameter split spoon; Shelby tube	Field Engineer Morgan McBride			
Sampler Hammer --	Weight (lbs) --	Drop (in) --		

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		
				0						Started drilling on 2/1/2022. Started drilling at 6 feet below sidewalk level (bsl) due to grade on site.
		Brown fine-medium SAND, some brick, some gravel, trace wood (dry)		1						
		Brown fine-medium SAND, some gravel, trace brick, concrete (dry)		2						
		Brown fine-medium SAND, some gravel, trace brick (dry)		3						
		Brown sandy SILT, trace clay (dry)		4						
		Brown sandy SILT, trace clay, trace gravel (wet)		5						
				6	S-1	SS	8		0	
				7					0	
				8	S-2	SS	10		0	
				9					0	
				10	S-3	SS	22		0	
				11					0.1	
				12	S-4	SS	18		0.1	
				13					0.1	
				14	S-5	SS	14		0.1	
				15					0.1	
				16	S-6	SS	18		0	
				17					0	
				18	C-1	NX CORE BARREL	18		0	
		Black WEATHERED ROCK (moist)		19					0	
		Gray MICA SCHIST; slightly weathered; extremely close to very close fracture spacing; [BEDROCK]	3:23	20					0	
			3:41						0	

10:45:AM - Collect sample 058 LSB-15 15-17 from 15-17' bsl. VOCs collected from 15.5-16' bsl.

Refusal at 17.5' bsl. Begin rock coring at 17.5' bsl.

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Project 1487 First Avenue Development	Project No. 100963701
Location 1487 First Avenue, New York, NY	Elevation and Datum Approximate el. 31 NAVD 88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/6in	
△△△			2:26	20			18		Bottom of boring at 20.5' bsl.
				21					
				22					
				23					
				24					
				25					
				26					
				27					
				28					
				29					
				30					
				31					
				32					
				33					
				34					
				35					
				36					
				37					
				38					
				39					
				40					
				41					
				42					
				43					
				44					
				45					

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Project	1487 First Avenue Development	Project No.	100963701
Location	1487 First Avenue, New York, NY	Elevation And Datum	Approx. el. 28 NAVD88
Drilling Agency	AARCO Environmental Services Corp.	Date Started	11/9/2021
		Date Finished	11/9/2021
Drilling Equipment	Geoprobe 7822 DT	Driller	Jose Garcia
Size And Type of Bit	2in Direct Push	Inspector	Molly Mattern

Method of Installation
 A Geoprobe 7782DT was used to advance LB-1 to approximately 10-feet below ground surface. A one-inch Sch. 40 PVC well was installed consisting of approximately 9.5-feet of No. 10 (0.010-inch) screen packed with No. 2 sand. The well was finished with a flush mount manhole cover and concrete pad.

Method of Well Development
 MW-1 was developed with a check-valve and developed until the water ran free of fines. Approximately 5-gallons were purged.

Type of Casing	Diameter	Type of Backfill Material
--	--	No. 2 Sand
Type of Screen	Diameter	Type of Seal Material
Schedule 40	1-inch	--
Borehole Diameter		Type of Filter Material
2-inch		No. 2 Sand

			Well Details	Soil / Rock Classification	Depth (ft)
Top of Casing	Elevation	Depth		Fill	0.1
Top of Seal	Elevation	Depth			
Top of Filter	Elevation	Depth		Native	
Top of Screen	Elevation	Depth			
Bottom of Filter	Elevation	Depth			
Bottom of Well	Elevation	Depth			
Screen Length	9.5'	Slot Size			
		0.010			
GROUNDWATER ELEVATIONS (ft) (Measured from the Top of Casing)					
Elevation	DTW	Date			
	5.5'	11/10/2021			
Elevation	DTW	Date			
Elevation	DTW	Date			
Elevation	DTW	Date			
Elevation	DTW	Date			
Elevation	DTW	Date			

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Project	1487 First Avenue Development	Project No.	100963701
Location	1487 First Avenue, New York, NY	Elevation And Datum	Approx. el. 29 NAVD88
Drilling Agency	AARCO Environmental Services Corp.	Date Started	11/9/2021
		Date Finished	11/9/2021
Drilling Equipment	Geoprobe 420M	Driller	Jose Garcia
Size And Type of Bit	2in Direct Push	Inspector	Molly Mattern

Method of Installation
 A Geoprobe 420M was used to advance LB-2 to approximately 10-feet below ground surface. A one-inch Sch. 40 PVC well was installed consisting of approximately 9.5-feet of No. 10 (0.010-inch) screen packed with No. 2 sand. The well was finished with a flush mount manhole cover and concrete pad.

Method of Well Development
 MW-2 was developed with a check-valve and developed until the water ran free of fines. Approximately 5-gallons were purged.

Type of Casing	Diameter	Type of Backfill Material
--	--	No. 2 Sand
Type of Screen	Diameter	Type of Seal Material
Schedule 40	1-inch	--
Borehole Diameter		Type of Filter Material
2-inch		No. 2 Sand

Top of Casing	Elevation	Depth		Soil / Rock Classification	Depth (ft)
--	--	--		Fill	0.1
Top of Seal	Elevation	Depth		Native	
--	--	--			
Top of Filter	Elevation	Depth			
--	--	0.55' bgs			
Top of Screen	Elevation	Depth			
--	--	0.5' bgs			
Bottom of Filter	Elevation	Depth			
--	--	10' bgs			
Bottom of Well	Elevation	Depth			
--	--	10' bgs			
Screen Length	9.5'	Slot Size	0.010		

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

Elevation	DTW	Date
7.0'		11/10/2021
	DTW	Date
	DTW	Date
	DTW	Date
	DTW	Date
	DTW	Date

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Project	1487 First Avenue Development	Project No.	100963701
Location	1487 First Avenue, New York, NY	Elevation And Datum	Approx. el. 28 NAVD88
Drilling Agency	AARCO Environmental Services Corp.	Date Started	11/9/2021
		Date Finished	11/9/2021
Drilling Equipment	Geoprobe 7822 DT	Driller	Jose Garcia
Size And Type of Bit	2in Direct Push	Inspector	Molly Mattern

Method of Installation
 A Geoprobe 7782DT was used to advance LB-3 to approximately 13-feet below ground surface. A two-inch Sch. 40 PVC well was installed consisting of approximately 10-feet of No. 20 (0.020-inch) screen packed with No. 2 sand and 2.5-feet of Schedule 40 PVC riser. The well was finished with a flush mount manhole cover and concrete pad.

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

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

Type of Casing	Elevation	Depth	Well Details	Soil / Rock Classification	Depth (ft)
Top of Casing	--	--			
Top of Seal	Elevation	Depth		Fill	0.1 1
Top of Filter	--	0.6' bgs			
Top of Screen	Elevation	Depth		Native	
Bottom of Filter	--	1' bgs			
Bottom of Well	Elevation	Depth			
	--	3' bgs			
	--	13' bgs			
Screen Length	10.0'	Slot Size	0.020		

GROUNDWATER ELEVATIONS (ft) (Measured from the Top of Casing)		
Elevation	DTW	Date
	5.70'	11/10/2021
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date

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Project	1487 First Avenue Development	Project No.	100963701
Location	1487 First Avenue, New York, NY	Elevation And Datum	Approx. el. 28 NAVD88
Drilling Agency	AARCO Environmental Services Corp.	Date Started	11/9/2021
		Date Finished	11/9/2021
Drilling Equipment	Geoprobe 7822 DT	Driller	Jose Garcia
Size And Type of Bit	2in Direct Push	Inspector	Molly Mattern

Method of Installation
 A Geoprobe 7782DT was used to advance LB-8 to approximately 14-feet below ground surface. A two-inch Sch. 40 PVC well was installed consisting of approximately 10-feet of No. 20 (0.020-inch) screen packed with No. 2 sand and 3.5-feet of Schedule 40 PVC riser. The well was finished with a flush mount manhole cover and concrete pad.

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

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

Type of Casing	Elevation	Depth	Well Details	Soil / Rock Classification	Depth (ft)
Top of Casing	--	--			
Top of Seal	Elevation	Depth		Fill	0.1
Top of Filter	--	0.6' bgs			
Top of Screen	Elevation	Depth		Native	2
Bottom of Filter	--	2' bgs			
Bottom of Well	Elevation	Depth			
	--	4' bgs			
	--	14' bgs			
Screen Length	10.0'	Slot Size	0.020		

GROUNDWATER ELEVATIONS (ft) (Measured from the Top of Casing)		
Elevation	DTW	Date
	5.89'	11/10/2021
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date

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Project	1487 First Avenue Development	Project No.	100963701
Location	1487 First Avenue, New York, NY	Elevation And Datum	Approx. el. 29
Drilling Agency	AARCO Environmental Services Corp.	Date Started	1/28/2022
		Date Finished	1/31/2022
Drilling Equipment	Geoprobe 7822 DT	Driller	Jose Garcia
Size And Type of Bit	2in Direct Push	Inspector	Morgan McBride

Method of Installation
 A Geoprobe 7782DT was used to advance LSB-12 to approximately 50-feet below sidewalk level. A two-inch Sch. 40 PVC well was installed consisting of approximately 27.5-feet of Schedule 40 PVC riser resting atop the bedrock interface at approximately 27-feet below street level. The well was completed with an approximately 6-inch PVC riser stickup.

 Ground surface is approximately 8-feet below sidewalk level.

Method of Well Development
 MW-6 was developed with an MP-50 pump until the water ran free of fines.

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

Top of Casing	Elevation	Depth		Soil / Rock Classification	Depth (ft)	
Top of Casing		0.5' ags			FILL	0.5
Top of Seal		0.1' bgs			NATIVE	
Top of Filter						
Top of Screen		19' bgs				
Bottom of Filter						
Bottom of Well		42' bgs			WEATHERED ROCK	
Screen Length		Slot Size				
		--				
					BEDROCK	19

GROUNDWATER ELEVATIONS (ft)		
(Measured from the Top of Casing)		
Elevation	DTW	Date
	8.19'	2/2/2022
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date

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Project	1487 First Avenue Development	Project No.	100963701
Location	1487 First Avenue, New York, NY	Elevation And Datum	Approx. el. 33
Drilling Agency	AARCO Environmental Services Corp.	Date Started	1/31/2022
		Date Finished	1/31/2022
Drilling Equipment	Geoprobe 7822 DT	Driller	Jose Garcia
Size And Type of Bit	2in Direct Push	Inspector	Morgan McBride

Method of Installation
 A Geoprobe 7782DT was used to advance LSB-13 to approximately 50-feet below sidewalk level. A two-inch Sch. 40 PVC well was installed consisting of approximately 17.5-feet of Schedule 40 PVC riser resting atop the bedrock interface at approximately 17-feet below street level. The well was completed with an approximately 6-inch PVC riser stickup.

 Ground surface is approximately 4-feet below sidewalk level.

Method of Well Development
 MW-7 was developed with an MP-50 pump until the water ran free of fines.

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

Top of Casing	Elevation	Depth		Soil / Rock Classification	Depth (ft)	
Top of Casing		0.5' ags			FILL	0.5
Top of Seal		0.1' bgs			NATIVE	
Top of Filter						
Top of Screen		13' bgs				
Bottom of Filter						
Bottom of Well		46' bgs			BEDROCK	13
Screen Length		Slot Size				

GROUNDWATER ELEVATIONS (ft)		
(Measured from the Top of Casing)		
Elevation	DTW	Date
	10.43'	2/1/2022
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date
Elevation	DTW	Date

ATTACHMENT B

FIELD SAMPLING SHEETS

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	1487 1st Avenue	Site Location:	Manhattan, NY	Well No.:	MW-01	Date:	11/10/2021
Job Number:	100963701	Weather:	Clear, 50F	Sampler(s):	Andres Valenzuela		
Initial DTW (ft):	5.50	Well Depth (ft):	10	Pump Depth (ft):	8'		
Background PID (ppm):	0.00	Well PID (ppm):	0	Screen Interval (ft):	0.5 - 10		
Water Quality Meter:	Horiba U-52	Water Quality Meter ID:	U500G	Well Diameter (in):	1"		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES
	—	—	—	—	—	—	—	—	—	—	Begin Purging
Well was purged dry prior to stabilization, sampled for VOCs and metals only									Brown	None	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:
DTB - 9.25' BTOC

Sample Number:	024_MW-01	Sample Time:	16:30	Sample Analyses:	VOCs, metals
QA/QC Sample Number:	—	QA/QC Sample Time:	—	QA/QC Sample Analyses:	—



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	1487 1st Avenue	Site Location:	Manhattan, NY	Well No.:	MW-02	Date:	11/10/2021
Job Number:	100963701	Weather:	Clear, 50F	Sampler(s):	Andres Valenzuela		
Initial DTW (ft):	7.00	Well Depth (ft):	10	Pump Depth (ft):	8.5'		
Background PID (ppm):	0.00	Well PID (ppm):	0.3	Screen Interval (ft):	0.5 - 10		
Water Quality Meter:	Horiba U-52	Water Quality Meter ID:	U500G	Well Diameter (in):	1"		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES	
	—	—	—	—	—	—	—	—	—	—	Begin Purging	
Well was purged dry prior to stabilization, sampled for VOCs and metals only										Brown	None	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown					

Notes:
DTB - 9.45' BTOC

Sample Number:	023_MW-02	Sample Time:	15:40	Sample Analyses:	VOCs, metals
QA/QC Sample Number:	—	QA/QC Sample Time:	—	QA/QC Sample Analyses:	—



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	1487 1st Avenue	Site Location:	Manhattan, NY	Well No:	MW-04	Date:	11/10/2021
Job Number:	100963701	Weather:	Clear, 50F	Sampler(s):	Andres Valenzuela		
Initial DTW (ft):	5.89	Well Depth (ft):	14	Pump Depth (ft):	9.0'		
Background PID (ppm):	0.00	Well PID (ppm):	0.3	Screen Interval (ft):	4 - 14		
Water Quality Meter:	Horiba U-52	Water Quality Meter ID:	U500G	Well Diameter (in):	2"		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES
13:50	—	—	—	—	—	—	5.89	200	—	—	Begin Purging
13:55	15.93	6.67	-511	3.090	632.0	3.24	5.98	200	Brown	None	
14:00	16.05	6.58	-481	3.100	473.0	1.41	6.35	200	Brown	None	
14:05	16.11	6.57	-438	3.090	388.0	0.85	6.40	200	Brown	None	
14:10	16.16	6.55	-422	3.090	334.0	0.92	6.55	200	Brown	None	
14:15	16.20	6.54	-434	3.090	294.0	0.77	6.65	200	Brown	None	
14:20	16.24	6.52	-412	3.090	270.0	0.60	6.75	200	Brown	None	
14:25	16.28	6.55	-410	3.110	243.0	0.78	6.80	200	Brown	None	
14:30	16.31	6.49	-411	3.110	224.0	0.55	6.90	200	Brown	None	
14:35	16.32	6.48	-413	3.110	210.0	0.44	6.97	200	Brown	None	
14:40	16.32	6.46	-425	3.110	188.0	0.34	7.04	200	Brown	None	
14:45	16.32	6.44	-416	3.110	164.0	0.16	7.15	200	Brown	None	
14:50	16.31	6.42	-418	3.110	149.0	0.11	7.16	200	Brown	None	
14:55	16.31	6.40	-419	3.110	137.0	0.06	7.16	201	Brown	None	
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:
DTB - 13.65' BTOC

Sample Number:	022_MW-04	Sample Time:	15:10	Sample Analyses:	VOCs, PAHs, Metals
QA/QC Sample Number:	-	QA/QC Sample Time:	-	QA/QC Sample Analyses:	-



SOIL VAPOR SAMPLING LOG SHEET

Sample Number: 027_SV-01

PROJECT: 1487 1st Avenue		PROJECT NO.: 100963701					
LOCATION: New York, NY		SURFACE ELEVATION AND DATUM: Approximate el. 28 NAVD88					
DRILLING FIRM OR LANGAN INSTALLER: AARCO		INSTALLATION DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021				
INSTALLATION FOREMAN: Jose Garcia		SAMPLE DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021				
INSTALLATION EQUIPMENT: Geoprobe 7822 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister					
INSPECTOR: Audrey Seery		SAMPLER: Audrey Seery					
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-64 Wind: NW 0-11 mph Precipitation: None Pressure: 30.07 inHg					
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 7822DT to 4.5 feet below former basement slab, install 6-inch soil vapor probe, backfill with No. 2 sand to 2.5 feet below former basement slab, and seal with hydrated bentonite to grade.							
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite					
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: N/A		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite					
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): Sand					
PURGE VOLUME (L):	0.20	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES		
PURGE FLOW RATE (ML/MIN):	200						
PID AFTER PURGE (PPM):	0.3	SURFACE	SURFACE				
HELIUM TESTS		Pre-sampling				Post-sampling	
HELIUM TEST IN BUCKET(%):	99.5%	-	-			<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">Top of Seal</div> <div style="margin-bottom: 10px;">Top of Pack</div> <div>Probe Depth</div> </div>	
HELIUM TEST IN TUBE (PPM):	675	-	-				
SAMPLE START TIME:	14:07						
SAMPLE STOP TIME:	16:12						
TOTAL SAMPLE TIME (MIN):	125						
REGULATOR FLOW RATE (L/MIN):	0.04						
VOLUME OF SAMPLE (LITERS):	6 Liters						
PID AFTER SAMPLE (PPM):	-						
SAMPLE MOISTURE CONTENT:	N/A						
CAN SERIAL NUMBER:	37798						
REGULATOR SERIAL NUMBER:	6879						
CAN START VACUUM PRESS. (" HG):	-30						
CAN STOP VACUUM PRESS. (" HG):	-10						
SAMPLE LOCATION SKETCH		NOTES					
See Sample Location Plan							
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727							

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: 026_SVDUP

PROJECT: 1487 1st Avenue		PROJECT NO.: 100963701			
LOCATION: New York, NY		SURFACE ELEVATION AND DATUM: Approximate el. 28 NAVD88			
DRILLING FIRM OR LANGAN INSTALLER: AARCO		INSTALLATION DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021		
INSTALLATION FOREMAN: Jose Garcia		SAMPLE DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021		
INSTALLATION EQUIPMENT: Geoprobe 7822 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister			
INSPECTOR: Audrey Seery		SAMPLER: Audrey Seery			
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-64 Wind: NW 0-11 mph Precipitation: None Pressure: 30.07 inHg			
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 7822DT to 4.5 feet below former basement slab, install 6-inch soil vapor probe, backfill with No. 2 sand to 2.5 feet below former basement slab, and seal with hydrated bentonite to grade.					
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite			
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: N/A		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite			
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): Sand			
PURGE VOLUME (L):	0.20	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES
PURGE FLOW RATE (ML/MIN):	200				
PID AFTER PURGE (PPM):	0.3				
HELIUM TESTS	Pre-sampling Post-sampling				
HELIUM TEST IN BUCKET(%):	99.5%				
HELIUM TEST IN TUBE (PPM):	675				
SAMPLE START TIME:	14:07				
SAMPLE STOP TIME:	16:12				
TOTAL SAMPLE TIME (MIN):	125				
REGULATOR FLOW RATE (L/MIN):	0.04				
VOLUME OF SAMPLE (LITERS):	6 Liters				
PID AFTER SAMPLE (PPM):	-				
SAMPLE MOISTURE CONTENT:	N/A				
CAN SERIAL NUMBER:	10041				
REGULATOR SERIAL NUMBER:	5605				
CAN START VACUUM PRESS. (" HG):	-30				
CAN STOP VACUUM PRESS. (" HG):	-5				
SAMPLE LOCATION SKETCH					
See Sample Location Plan					
NOTES					
Parent Sample: 027_SV-01					
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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: 025_SV-02

PROJECT: 1487 1st Avenue		PROJECT NO.: 100963701				
LOCATION: New York, NY		SURFACE ELEVATION AND DATUM: Approximate el. 29 NAVD88				
DRILLING FIRM OR LANGAN INSTALLER: AARCO		INSTALLATION DATE STARTED: 11/9/2021	DATE FINISHED: 11/9/2021			
INSTALLATION FOREMAN: Jose Garcia		SAMPLE DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021			
INSTALLATION EQUIPMENT: Geoprobe 7822 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister				
INSPECTOR: Molly Mattern		SAMPLER: Audrey Seery				
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-64 Wind: NW 0-11 mph Precipitation: None Pressure: 30.07 inHg				
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 7822DT to 6 feet below former basement slab, install 6-inch soil vapor probe, backfill with No. 2 sand to 4 feet below basement slab, and seal with hydrated bentonite to grade.						
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite				
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: N/A		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite				
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): Sand				
PURGE VOLUME (L):	0.20	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	
PURGE FLOW RATE (ML/MIN):	200					
PID AFTER PURGE (PPM):	3.6	SURFACE	SURFACE			
HELIUM TESTS	Pre-sampling	Post-sampling				
HELIUM TEST IN BUCKET(%):	24.0%	--				
HELIUM TEST IN TUBE (PPM):	0.00	--				
SAMPLE START TIME:	13:40					
SAMPLE STOP TIME:	15:26					
TOTAL SAMPLE TIME (MIN):	106					
REGULATOR FLOW RATE (L/MIN):	0.04					
VOLUME OF SAMPLE (LITERS):	6 Liters					
PID AFTER SAMPLE (PPM):	--					
SAMPLE MOISTURE CONTENT:	N/A	Top of Seal	0.00			
CAN SERIAL NUMBER:	15522	Top of Pack	4.00			
REGULATOR SERIAL NUMBER:	5612	Probe Depth	6.00			
CAN START VACUUM PRESS. (" HG):	-30	NOTES				
CAN STOP VACUUM PRESS. (" HG):	-5					
SAMPLE LOCATION SKETCH		NOTES				
See Sample Location Plan						
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SOIL VAPOR SAMPLING LOG SHEET

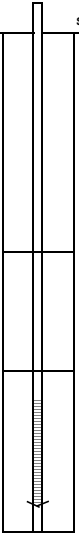
Sample Number: 028_SV-03

PROJECT: 1487 1st Avenue		PROJECT NO.: 100963701																																				
LOCATION: New York, NY		SURFACE ELEVATION AND DATUM: Approximate el. 28 NAVD88																																				
DRILLING FIRM OR LANGAN INSTALLER: AARCO		INSTALLATION DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021																																			
INSTALLATION FOREMAN: Jose Garcia		SAMPLE DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021																																			
INSTALLATION EQUIPMENT: Geoprobe 7822 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																																				
INSPECTOR: Audrey Seery		SAMPLER: Audrey Seery																																				
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-64 Wind: NW 0-11 mph Precipitation: None Pressure: 30.07 inHg																																				
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 7822DT to 4.5 feet below former basement slab, install 6-inch soil vapor probe, backfill with No. 2 sand to 2.5 feet below former basement slab, and seal with hydrated bentonite to grade.																																						
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite																																				
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: N/A		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																																				
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): Sand																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PURGE VOLUME (L):</td> <td style="text-align: center;">0.20</td> </tr> <tr> <td>PURGE FLOW RATE (ML/MIN):</td> <td style="text-align: center;">200</td> </tr> <tr> <td>PID AFTER PURGE (PPM):</td> <td style="text-align: center;">0.3</td> </tr> <tr> <td colspan="2" style="text-align: center;">HELIUM TESTS</td> </tr> <tr> <td>HELIUM TEST IN BUCKET(%):</td> <td style="text-align: center;">31.6%</td> </tr> <tr> <td>HELIUM TEST IN TUBE (PPM):</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td>SAMPLE START TIME:</td> <td style="text-align: center;">14:15</td> </tr> <tr> <td>SAMPLE STOP TIME:</td> <td style="text-align: center;">16:20</td> </tr> <tr> <td>TOTAL SAMPLE TIME (MIN):</td> <td style="text-align: center;">125</td> </tr> <tr> <td>REGULATOR FLOW RATE (L/MIN):</td> <td style="text-align: center;">0.04</td> </tr> <tr> <td>VOLUME OF SAMPLE (LITERS):</td> <td style="text-align: center;">6 Liters</td> </tr> <tr> <td>PID AFTER SAMPLE (PPM):</td> <td style="text-align: center;">-</td> </tr> <tr> <td>SAMPLE MOISTURE CONTENT:</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>CAN SERIAL NUMBER:</td> <td style="text-align: center;">28848</td> </tr> <tr> <td>REGULATOR SERIAL NUMBER:</td> <td style="text-align: center;">7092</td> </tr> <tr> <td>CAN START VACUUM PRESS. (" HG):</td> <td style="text-align: center;">-30</td> </tr> <tr> <td>CAN STOP VACUUM PRESS. (" HG):</td> <td style="text-align: center;">10</td> </tr> </table>	PURGE VOLUME (L):	0.20	PURGE FLOW RATE (ML/MIN):	200	PID AFTER PURGE (PPM):	0.3	HELIUM TESTS		HELIUM TEST IN BUCKET(%):	31.6%	HELIUM TEST IN TUBE (PPM):	0.00	SAMPLE START TIME:	14:15	SAMPLE STOP TIME:	16:20	TOTAL SAMPLE TIME (MIN):	125	REGULATOR FLOW RATE (L/MIN):	0.04	VOLUME OF SAMPLE (LITERS):	6 Liters	PID AFTER SAMPLE (PPM):	-	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	28848	REGULATOR SERIAL NUMBER:	7092	CAN START VACUUM PRESS. (" HG):	-30	CAN STOP VACUUM PRESS. (" HG):	10	IMPLANT/PROBE DETAILS		DEPTH	NOTES
	PURGE VOLUME (L):	0.20																																				
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		SURFACE SURFACE																																				
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		Top of Pack	2.50																																			
		Probe Depth	4.50																																			
NOTES																																						
<p style="text-align: center;">See Sample Location Plan</p>																																						

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: 029_SV-04

PROJECT: 1487 1st Avenue		PROJECT NO.: 100963701																																						
LOCATION: New York, NY		SURFACE ELEVATION AND DATUM: Approximate el. 28 NAVD88																																						
DRILLING FIRM OR LANGAN INSTALLER: AARCO		INSTALLATION DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021																																					
INSTALLATION FOREMAN: Jose Garcia		SAMPLE DATE STARTED: 11/10/2021	DATE FINISHED: 11/10/2021																																					
INSTALLATION EQUIPMENT: Geoprobe 7822 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																																						
INSPECTOR: Audrey Seery		SAMPLER: Audrey Seery																																						
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-64 Wind: NW 0-11 mph Precipitation: None Pressure: 30.07 inHg																																						
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 7822DT to 4.5 feet below former basement slab, install 6-inch soil vapor probe, backfill with No. 2 sand to 2.5 feet below former basement slab, and seal with hydrated bentonite to grade.																																								
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite																																						
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: N/A		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																																						
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): Sand																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PURGE VOLUME (L):</td> <td style="text-align: center;">0.20</td> </tr> <tr> <td>PURGE FLOW RATE (ML/MIN):</td> <td style="text-align: center;">200</td> </tr> <tr> <td>PID AFTER PURGE (PPM):</td> <td style="text-align: center;">0.2</td> </tr> <tr> <td style="text-align: center;">HELIUM TESTS</td> <td></td> </tr> <tr> <td style="text-align: center;">HELIUM TEST IN BUCKET(%):</td> <td style="text-align: center;">Pre-sampling Post-sampling</td> </tr> <tr> <td style="text-align: center;">HELIUM TEST IN TUBE (PPM):</td> <td style="text-align: center;">20.5% --</td> </tr> <tr> <td style="text-align: center;">HELIUM TEST IN TUBE (PPM):</td> <td style="text-align: center;">0.00 --</td> </tr> <tr> <td>SAMPLE START TIME:</td> <td style="text-align: center;">14:20</td> </tr> <tr> <td>SAMPLE STOP TIME:</td> <td style="text-align: center;">16:23</td> </tr> <tr> <td>TOTAL SAMPLE TIME (MIN):</td> <td style="text-align: center;">123</td> </tr> <tr> <td>REGULATOR FLOW RATE (L/MIN):</td> <td style="text-align: center;">0.04</td> </tr> <tr> <td>VOLUME OF SAMPLE (LITERS):</td> <td style="text-align: center;">6 Liters</td> </tr> <tr> <td>PID AFTER SAMPLE (PPM):</td> <td style="text-align: center;">--</td> </tr> <tr> <td>SAMPLE MOISTURE CONTENT:</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>CAN SERIAL NUMBER:</td> <td style="text-align: center;">23157</td> </tr> <tr> <td>REGULATOR SERIAL NUMBER:</td> <td style="text-align: center;">5417</td> </tr> <tr> <td>CAN START VACUUM PRESS. (" HG):</td> <td style="text-align: center;">-27</td> </tr> <tr> <td>CAN STOP VACUUM PRESS. (" HG):</td> <td style="text-align: center;">-3</td> </tr> </table>	PURGE VOLUME (L):	0.20	PURGE FLOW RATE (ML/MIN):	200	PID AFTER PURGE (PPM):	0.2	HELIUM TESTS		HELIUM TEST IN BUCKET(%):	Pre-sampling Post-sampling	HELIUM TEST IN TUBE (PPM):	20.5% --	HELIUM TEST IN TUBE (PPM):	0.00 --	SAMPLE START TIME:	14:20	SAMPLE STOP TIME:	16:23	TOTAL SAMPLE TIME (MIN):	123	REGULATOR FLOW RATE (L/MIN):	0.04	VOLUME OF SAMPLE (LITERS):	6 Liters	PID AFTER SAMPLE (PPM):	--	SAMPLE MOISTURE CONTENT:	N/A	CAN SERIAL NUMBER:	23157	REGULATOR SERIAL NUMBER:	5417	CAN START VACUUM PRESS. (" HG):	-27	CAN STOP VACUUM PRESS. (" HG):	-3	IMPLANT/PROBE DETAILS		DEPTH	NOTES
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Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																																								

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 1487 First Avenue

Samplers: MMcB

Date: 1/25/2022

Sample #	033_SV-5	034_SV-6	035_SV-7	036_DUP-2	
Location	LSB-09	LSB-10	LSB-11	SV-7	
Summa Canister ID	2034	2217	187	1736	
Flow Controller ID	01878	1336	01141	01708	
Sample Depth (b.g.s.)	6"	6"	8"	8"	
Additional Tubing Added	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	
Purge Time (Start)	11:50	13:15	13:45	13:45	
Purge Time (Stop)	11:55	13:20	13:50	13:50	
Total Purge Time (min)	5	5	5	5	
Purge Volume	1 L	1 L	1 L	1 L	
PID Test of Purge Air	282 ppb	228 ppb	313 ppb	313 ppb	
Initial Tracer Gas Results in sampling line	0%	0%	0%	0%	
Initial Tracer Gas Results in shroud	98.1%	96.4%	93.7%	93.7%	
Pressure Gauge - before sampling	-30.09	-30.55	-30.45	-29.39	
Sample Time (Start)	12:05	13:30	14:00	14:05	
Sample Time (Stop)	14:25	15:50	16:15	16:20	
Total Sample Time (min)	140	140	135	135	
Pressure Gauge - after sampling	-5.94	-5.7	-4.67	-5.94	
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	
Canister Pressure Went to Ambient Pressure?	YES/NO	YES/NO	YES/NO	YES/NO	
Final Tracer Gas Results in sampling line	--	--	--	--	
Final Tracer Gas Results in shroud	--	--	--	--	
Associated Ambient Air Sample Number	--	--	--	--	
Weather 24 hours before and during sampling	30s, partly cloudy				
General Comments					

ATTACHMENT C

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: 11/12/2021

Client Project ID: 100963701

York Project (SDG) No.: 21K0456



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/12/2021
Client Project ID: 100963701
York Project (SDG) No.: 21K0456

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 November 09, 2021 and listed below. The project was identified as your project: **100963701**.

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>
21K0456-01	001_LB-08_0-2	Soil	11/09/2021	11/09/2021
21K0456-02	002_LB-08_7.5-9.5	Soil	11/09/2021	11/09/2021
21K0456-03	003_DUP-1	Soil	11/09/2021	11/09/2021
21K0456-04	004_LB-3_0-2	Soil	11/09/2021	11/09/2021
21K0456-05	005_LB-3_7-9	Soil	11/09/2021	11/09/2021
21K0456-06	006_FB_11092021	Water	11/09/2021	11/09/2021
21K0456-07	007_LB-02_6-8	Soil	11/09/2021	11/09/2021
21K0456-08	008_LB-02_8-10	Soil	11/09/2021	11/09/2021
21K0456-09	009_LB-01_0-1	Soil	11/09/2021	11/09/2021
21K0456-10	010_LB-01_6.5-8.5	Soil	11/09/2021	11/09/2021
21K0456-11	011_LB-06_0-2	Soil	11/09/2021	11/09/2021
21K0456-12	012_LB-06_6-8	Soil	11/09/2021	11/09/2021
21K0456-13	013_TB_11092021	Water	11/09/2021	11/09/2021

General Notes for York Project (SDG) No.: 21K0456

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: 11/12/2021





Sample Information

Client Sample ID: 001_LB-08_0-2

York Sample ID: 21K0456-01

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:15 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 12:49	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 12:49	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC



Sample Information

Client Sample ID: 001_LB-08_0-2

York Sample ID: 21K0456-01

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:15 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 12:49	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC



Sample Information

Client Sample ID: 001_LB-08_0-2

York Sample ID: 21K0456-01

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:15 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-09-2	Methylene chloride	0.014		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC



Sample Information

Client Sample ID: 001_LB-08_0-2

York Sample ID: 21K0456-01

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:15 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 12:49	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 12:49	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	98.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH



Sample Information

Client Sample ID: 001_LB-08_0-2

York Sample ID: 21K0456-01

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:15 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:35	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	33.4 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	34.2 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	5.01		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-39-3	Barium	228		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-43-9	Cadmium	0.552		mg/kg dry	0.331	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-47-3	Chromium	21.2		mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-50-8	Copper	29.4		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH



Sample Information

Client Sample ID: 001_LB-08_0-2

York Sample ID: 21K0456-01

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:15 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	474		mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7439-96-5	Manganese	406		mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-02-0	Nickel	20.2		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-22-4	Silver	0.617		mg/kg dry	0.552	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH
7440-66-6	Zinc	247		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:19	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0364	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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	0.552	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/12/2021 08:22	11/12/2021 16:20	JAG

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	90.6		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 002_LB-08_7.5-9.5

York Sample ID: 21K0456-02

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:20 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:17	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	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	11/10/2021 06:53	11/10/2021 13:17	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	11/10/2021 06:53	11/10/2021 13:17	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	11/10/2021 06:53	11/10/2021 13:17	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	11/10/2021 06:53	11/10/2021 13:17	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	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	11/10/2021 06:53	11/10/2021 13:17	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC



Sample Information

Client Sample ID: 002_LB-08_7.5-9.5

York Sample ID: 21K0456-02

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:20 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:17	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC



Sample Information

Client Sample ID: 002_LB-08_7.5-9.5

York Sample ID: 21K0456-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0456

100963701

Soil

November 9, 2021 9:20 am

11/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-09-2	Methylene chloride	0.013		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	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	11/10/2021 06:53	11/10/2021 13:17	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC



Sample Information

Client Sample ID: 002_LB-08_7.5-9.5

York Sample ID: 21K0456-02

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:20 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:17	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:17	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	97.9 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.0 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH



Sample Information

Client Sample ID: 002_LB-08_7.5-9.5

York Sample ID: 21K0456-02

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:20 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:05	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	41.8 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	42.3 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-39-3	Barium	111		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-47-3	Chromium	32.8		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-50-8	Copper	29.8		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH



Sample Information

Client Sample ID: 002_LB-08_7.5-9.5

York Sample ID: 21K0456-02

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:20 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	8.78		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7439-96-5	Manganese	207		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-02-0	Nickel	32.6		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-22-4	Silver	1.20		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH
7440-66-6	Zinc	62.5		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:28	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0377	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 003_DUP-1

York Sample ID: 21K0456-03

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:25 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:45	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:45	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC



Sample Information

Client Sample ID: 003_DUP-1

York Sample ID: 21K0456-03

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:25 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:45	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC



Sample Information

Client Sample ID: 003_DUP-1

York Sample ID: 21K0456-03

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:25 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-09-2	Methylene chloride	0.012		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC



Sample Information

Client Sample ID: 003_DUP-1

York Sample ID: 21K0456-03

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:25 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 13:45	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 13:45	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	99.6 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH



Sample Information

Client Sample ID: 003_DUP-1

York Sample ID: 21K0456-03

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:25 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0480	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:35	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	48.4 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	49.1 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-39-3	Barium	116		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-47-3	Chromium	34.0		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-50-8	Copper	28.2		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH



Sample Information

Client Sample ID: 003_DUP-1

York Sample ID: 21K0456-03

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:25 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	8.43		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7439-96-5	Manganese	205		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-02-0	Nickel	35.3		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-22-4	Silver	1.08		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH
7440-66-6	Zinc	62.4		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:31	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0383	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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	86.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 004_LB-3_0-2

York Sample ID: 21K0456-04

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:13	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:13	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC



Sample Information

Client Sample ID: 004_LB-3_0-2

York Sample ID: 21K0456-04

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:13	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC



Sample Information

Client Sample ID: 004_LB-3_0-2

York Sample ID: 21K0456-04

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-09-2	Methylene chloride	0.017		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC



Sample Information

Client Sample ID: 004_LB-3_0-2

York Sample ID: 21K0456-04

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:13	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:13	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	99.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH



Sample Information

Client Sample ID: 004_LB-3_0-2

York Sample ID: 21K0456-04

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:50 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:04	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.1 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	46.0 %	24-116								

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-39-3	Barium	166		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-43-9	Cadmium	0.462		mg/kg dry	0.330	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-47-3	Chromium	25.5		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-50-8	Copper	53.8		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH



Sample Information

Client Sample ID: 004_LB-3_0-2

York Sample ID: 21K0456-04

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:50 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	303		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7439-96-5	Manganese	324		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-02-0	Nickel	26.8		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-22-4	Silver	0.862		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH
7440-66-6	Zinc	287		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:33	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.101		mg/kg dry	0.0363	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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,NELAC-NY10854,PADEP	11/12/2021 08:22	11/12/2021 16:20	JAG

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	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 005_LB-3_7-9

York Sample ID: 21K0456-05

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:40	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:40	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC



Sample Information

Client Sample ID: 005_LB-3_7-9

York Sample ID: 21K0456-05

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:40	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC



Sample Information

Client Sample ID: 005_LB-3_7-9

York Sample ID: 21K0456-05

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-09-2	Methylene chloride	0.015		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC



Sample Information

Client Sample ID: 005_LB-3_7-9

York Sample ID: 21K0456-05

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 14:40	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 14:40	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	99.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH



Sample Information

Client Sample ID: 005_LB-3_7-9

York Sample ID: 21K0456-05

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:55 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 12:34	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.5 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	51.4 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-39-3	Barium	60.2		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-47-3	Chromium	17.3		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-50-8	Copper	20.3		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH



Sample Information

Client Sample ID: 005_LB-3_7-9

York Sample ID: 21K0456-05

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 10:55 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	32.6		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7439-96-5	Manganese	144		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-02-0	Nickel	18.4		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH
7440-66-6	Zinc	42.5		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:35	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0381	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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	86.6		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 006_FB_11092021

York Sample ID: 21K0456-06

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 8:30 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:17	11/10/2021 12:50	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG



Sample Information

Client Sample ID: 006_FB_11092021

York Sample ID: 21K0456-06

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 8:30 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG



Sample Information

Client Sample ID: 006_FB_11092021

York Sample ID: 21K0456-06

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 8:30 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG



Sample Information

Client Sample ID: 006_FB_11092021

York Sample ID: 21K0456-06

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 8:30 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 12:50	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:17	11/10/2021 12:50	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	94.8 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.3 %	79-122

Semi-Volatiles, PAH Target List

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
91-57-6	2-Methylnaphthalene	ND		ug/L	2.98	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:18	KH
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH



Sample Information

Client Sample ID: 006_FB_11092021

York Sample ID: 21K0456-06

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 8:30 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, PAH Target List

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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:30	11/11/2021 11:00	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	89.5 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.0 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.5 %			30.7-106						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-39-3	Barium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-50-8	Copper	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM



Sample Information

Client Sample ID: 006_FB_11092021

York Sample ID: 21K0456-06

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 8:30 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7439-96-5	Manganese	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-02-0	Nickel	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM
7440-66-6	Zinc	15.1		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:05	11/11/2021 14:05	EM

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,NELAC-NY10854,NJDEP,PADEP	11/12/2021 14:50	11/12/2021 14:50	AA



Sample Information

Client Sample ID: 007_LB-02_6-8

York Sample ID: 21K0456-07

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:08	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:08	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC



Sample Information

Client Sample ID: 007_LB-02_6-8

York Sample ID: 21K0456-07

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:08	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC



Sample Information

Client Sample ID: 007_LB-02_6-8

York Sample ID: 21K0456-07

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-09-2	Methylene chloride	0.015		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC



Sample Information

Client Sample ID: 007_LB-02_6-8

York Sample ID: 21K0456-07

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:50 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	1.6		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 12:54	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
79-01-6	Trichloroethylene	0.058		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:08	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:08	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH



Sample Information

Client Sample ID: 007_LB-02_6-8

York Sample ID: 21K0456-07

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:50 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:04	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.0 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.2 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-39-3	Barium	140		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-43-9	Cadmium	0.360		mg/kg dry	0.347	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-47-3	Chromium	41.4		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-50-8	Copper	47.6		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH



Sample Information

Client Sample ID: 007_LB-02_6-8

York Sample ID: 21K0456-07

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:50 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	8.90		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7439-96-5	Manganese	290		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-02-0	Nickel	55.8		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-22-4	Silver	1.34		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH
7440-66-6	Zinc	73.2		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:37	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0382	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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	0.579	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/12/2021 08:22	11/12/2021 16:20	JAG

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	86.4		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 008_LB-02_8-10

York Sample ID: 21K0456-08

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:36	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	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	11/10/2021 06:53	11/10/2021 15:36	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	11/10/2021 06:53	11/10/2021 15:36	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	11/10/2021 06:53	11/10/2021 15:36	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	11/10/2021 06:53	11/10/2021 15:36	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	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	11/10/2021 06:53	11/10/2021 15:36	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC



Sample Information

Client Sample ID: 008_LB-02_8-10

York Sample ID: 21K0456-08

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:36	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC



Sample Information

Client Sample ID: 008_LB-02_8-10

York Sample ID: 21K0456-08

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-09-2	Methylene chloride	0.015		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	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	11/10/2021 06:53	11/10/2021 15:36	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC



Sample Information

Client Sample ID: 008_LB-02_8-10

York Sample ID: 21K0456-08

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:55 am	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	0.59		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 13:20	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
79-01-6	Trichloroethylene	0.025		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 15:36	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 15:36	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	105 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH



Sample Information

Client Sample ID: 008_LB-02_8-10

York Sample ID: 21K0456-08

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:55 am	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 13:33	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.6 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	53.1 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-39-3	Barium	104		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-47-3	Chromium	28.5		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-50-8	Copper	25.2		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH



Sample Information

Client Sample ID: 008_LB-02_8-10

York Sample ID: 21K0456-08

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 9:55 am	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	6.92		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7439-96-5	Manganese	303		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-02-0	Nickel	27.0		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-22-4	Silver	1.01		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH
7440-66-6	Zinc	53.4		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:39	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0365	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/11/2021 15:09	11/11/2021 15:09	AA

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	90.5		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 009_LB-01_0-1

York Sample ID: 21K0456-09

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:30 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:04	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:04	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC



Sample Information

Client Sample ID: 009_LB-01_0-1

York Sample ID: 21K0456-09

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:30 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:04	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC



Sample Information

Client Sample ID: 009_LB-01_0-1

York Sample ID: 21K0456-09

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:30 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-09-2	Methylene chloride	0.015		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC



Sample Information

Client Sample ID: 009_LB-01_0-1

York Sample ID: 21K0456-09

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:30 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:04	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0092	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:04	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	99.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
56-55-3	Benzo(a)anthracene	0.124		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
50-32-8	Benzo(a)pyrene	0.103		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
205-99-2	Benzo(b)fluoranthene	0.0819	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH



Sample Information

Client Sample ID: 009_LB-01_0-1

York Sample ID: 21K0456-09

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:30 pm	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.0539	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
207-08-9	Benzo(k)fluoranthene	0.0948		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
218-01-9	Chrysene	0.118		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
206-44-0	Fluoranthene	0.198		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
85-01-8	Phenanthrene	0.0618	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
129-00-0	Pyrene	0.173		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:19	KH
	Surrogate Recoveries	Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	40.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	27.1 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	42.9 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	5.81		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-39-3	Barium	332		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-43-9	Cadmium	1.10		mg/kg dry	0.331	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-47-3	Chromium	25.6		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-50-8	Copper	81.8		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH



Sample Information

Client Sample ID: 009_LB-01_0-1

York Sample ID: 21K0456-09

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:30 pm	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	421		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7439-96-5	Manganese	348		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-02-0	Nickel	35.2		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-22-4	Silver	0.633		mg/kg dry	0.551	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH
7440-66-6	Zinc	383		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:42	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0364	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	90.7		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 010_LB-01_6.5-8.5

York Sample ID: 21K0456-10

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:35 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:32	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	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	11/10/2021 06:53	11/10/2021 16:32	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	11/10/2021 06:53	11/10/2021 16:32	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	11/10/2021 06:53	11/10/2021 16:32	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	11/10/2021 06:53	11/10/2021 16:32	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	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	11/10/2021 06:53	11/10/2021 16:32	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC



Sample Information

Client Sample ID: 010_LB-01_6.5-8.5

York Sample ID: 21K0456-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0456

100963701

Soil

November 9, 2021 12:35 pm

11/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:32	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
67-64-1	Acetone	0.0099	CCV-E	mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC



Sample Information

Client Sample ID: 010_LB-01_6.5-8.5

York Sample ID: 21K0456-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0456

100963701

Soil

November 9, 2021 12:35 pm

11/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-09-2	Methylene chloride	0.010		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	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	11/10/2021 06:53	11/10/2021 16:32	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC



Sample Information

Client Sample ID: 010_LB-01_6.5-8.5

York Sample ID: 21K0456-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0456

100963701

Soil

November 9, 2021 12:35 pm

11/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 16:32	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 16:32	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	99.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH



Sample Information

Client Sample ID: 010_LB-01_6.5-8.5

York Sample ID: 21K0456-10

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:35 pm	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 10:50	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.8 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	61.4 %	24-116								

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-39-3	Barium	149		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-43-9	Cadmium	0.344		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-47-3	Chromium	36.5		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-50-8	Copper	42.7		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH



Sample Information

Client Sample ID: 010_LB-01_6.5-8.5

York Sample ID: 21K0456-10

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 12:35 pm	<u>Date Received</u> 11/09/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	9.17		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7439-96-5	Manganese	216		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-02-0	Nickel	39.8		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-22-4	Silver	1.31		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH
7440-66-6	Zinc	59.9		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:45	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0374	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	88.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:00	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:00	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC





Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:00	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC



Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-09-2	Methylene chloride	0.045		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC



Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:00	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:00	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	100 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH



Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:21	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	44.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	33.4 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	54.7 %			24-116						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ



Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:14	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	11/10/2021 07:45	11/11/2021 16:14	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	53.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	39.0 %	30-120							

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	4.50		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-39-3	Barium	194		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-43-9	Cadmium	0.420		mg/kg dry	0.341	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-47-3	Chromium	25.4		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-50-8	Copper	48.5		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7439-92-1	Lead	345		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7439-96-5	Manganese	357		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-02-0	Nickel	24.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-22-4	Silver	0.825		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH
7440-66-6	Zinc	156		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:47	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: 011_LB-06_0-2

York Sample ID: 21K0456-11

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:45 pm	<u>Date Received</u> 11/09/2021
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Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0375	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.569	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/12/2021 08:22	11/12/2021 16:20	JAG

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:27	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	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	11/10/2021 06:53	11/10/2021 17:27	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	11/10/2021 06:53	11/10/2021 17:27	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	11/10/2021 06:53	11/10/2021 17:27	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	11/10/2021 06:53	11/10/2021 17:27	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	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	11/10/2021 06:53	11/10/2021 17:27	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC



Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:27	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC



Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-09-2	Methylene chloride	0.014		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	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	11/10/2021 06:53	11/10/2021 17:27	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC



Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:53	11/10/2021 17:27	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:53	11/10/2021 17:27	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	98.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH



Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 13:38	11/11/2021 11:53	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.6 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.3 %	24-116								

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ



Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/10/2021 07:45	11/11/2021 16:27	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	11/10/2021 07:45	11/11/2021 16:27	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	50.5 %	30-120							

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-39-3	Barium	144		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-43-9	Cadmium	0.383		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-47-3	Chromium	41.2		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-50-8	Copper	48.1		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7439-92-1	Lead	13.2		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7439-96-5	Manganese	282		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-02-0	Nickel	47.3		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-22-4	Silver	0.928		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH
7440-66-6	Zinc	71.3		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 16:23	11/11/2021 15:50	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: 012_LB-06_6-8

York Sample ID: 21K0456-12

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 9, 2021 1:50 pm	<u>Date Received</u> 11/09/2021
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Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0373	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	88.4		%	0.100	1	SM 2540G Certifications: CTDOH	11/11/2021 10:27	11/11/2021 16:34	VR



Sample Information

Client Sample ID: 013_TB_11092021

York Sample ID: 21K0456-13

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 3:00 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:17	11/10/2021 13:17	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG



Sample Information

Client Sample ID: 013_TB_11092021

York Sample ID: 21K0456-13

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 3:00 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG



Sample Information

Client Sample ID: 013_TB_11092021

York Sample ID: 21K0456-13

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 3:00 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG



Sample Information

Client Sample ID: 013_TB_11092021

York Sample ID: 21K0456-13

<u>York Project (SDG) No.</u> 21K0456	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 9, 2021 3:00 pm	<u>Date Received</u> 11/09/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/10/2021 06:17	11/10/2021 13:17	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/10/2021 06:17	11/10/2021 13:17	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	95.1 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.6 %	79-122



Analytical Batch Summary

Batch ID: BK11502 **Preparation Method:** EPA 3550C **Prepared By:** EMS

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-11	011_LB-06_0-2	11/10/21
21K0456-12	012_LB-06_6-8	11/10/21
BK11502-BLK2	Blank	11/10/21
BK11502-BS2	LCS	11/10/21

Batch ID: BK11529 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-01	001_LB-08_0-2	11/10/21
21K0456-02	002_LB-08_7.5-9.5	11/10/21
21K0456-03	003_DUP-1	11/10/21
21K0456-04	004_LB-3_0-2	11/10/21
21K0456-05	005_LB-3_7-9	11/10/21
21K0456-07	007_LB-02_6-8	11/10/21
21K0456-08	008_LB-02_8-10	11/10/21
21K0456-09	009_LB-01_0-1	11/10/21
21K0456-10	010_LB-01_6.5-8.5	11/10/21
21K0456-11	011_LB-06_0-2	11/10/21
21K0456-12	012_LB-06_6-8	11/10/21
BK11529-BLK1	Blank	11/10/21
BK11529-BLK2	Blank	11/10/21
BK11529-BLK3	Blank	11/10/21
BK11529-BS1	LCS	11/10/21
BK11529-BSD1	LCS Dup	11/10/21

Batch ID: BK11532 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-06	006_FB_11092021	11/10/21
BK11532-BLK1	Blank	11/10/21
BK11532-BS1	LCS	11/10/21
BK11532-DUP1	Duplicate	11/10/21
BK11532-MS1	Matrix Spike	11/10/21

Batch ID: BK11536 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-06	006_FB_11092021	11/10/21
21K0456-13	013_TB_11092021	11/10/21
BK11536-BLK1	Blank	11/10/21
BK11536-BS1	LCS	11/10/21
BK11536-BSD1	LCS Dup	11/10/21



Batch ID: BK11538

Preparation Method: EPA 3510C

Prepared By: BMT

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-06	006_FB_11092021	11/10/21
BK11538-BLK1	Blank	11/10/21
BK11538-BLK2	Blank	11/10/21
BK11538-BS1	LCS	11/10/21
BK11538-BS2	LCS	11/10/21
BK11538-BSD1	LCS Dup	11/10/21

Batch ID: BK11539

Preparation Method: EPA 3546 SVOA

Prepared By: EMS

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-01	001_LB-08_0-2	11/10/21
21K0456-02	002_LB-08_7.5-9.5	11/10/21
21K0456-03	003_DUP-1	11/10/21
21K0456-04	004_LB-3_0-2	11/10/21
21K0456-05	005_LB-3_7-9	11/10/21
21K0456-07	007_LB-02_6-8	11/10/21
21K0456-08	008_LB-02_8-10	11/10/21
21K0456-09	009_LB-01_0-1	11/10/21
21K0456-10	010_LB-01_6.5-8.5	11/10/21
21K0456-11	011_LB-06_0-2	11/10/21
21K0456-12	012_LB-06_6-8	11/10/21
BK11539-BLK1	Blank	11/10/21
BK11539-BS1	LCS	11/10/21
BK11539-MS1	Matrix Spike	11/10/21
BK11539-MSD1	Matrix Spike Dup	11/10/21

Batch ID: BK11560

Preparation Method: EPA 3050B

Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-01	001_LB-08_0-2	11/10/21
21K0456-02	002_LB-08_7.5-9.5	11/10/21
21K0456-03	003_DUP-1	11/10/21
21K0456-04	004_LB-3_0-2	11/10/21
21K0456-05	005_LB-3_7-9	11/10/21
21K0456-07	007_LB-02_6-8	11/10/21
21K0456-08	008_LB-02_8-10	11/10/21
21K0456-09	009_LB-01_0-1	11/10/21
21K0456-10	010_LB-01_6.5-8.5	11/10/21
21K0456-11	011_LB-06_0-2	11/10/21
21K0456-12	012_LB-06_6-8	11/10/21
BK11560-BLK1	Blank	11/10/21
BK11560-DUP1	Duplicate	11/10/21
BK11560-MS1	Matrix Spike	11/10/21
BK11560-PS1	Post Spike	11/10/21
BK11560-SRM1	Reference	11/10/21



Batch ID: BK11601

Preparation Method: % Solids Prep

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-01	001_LB-08_0-2	11/11/21
21K0456-02	002_LB-08_7.5-9.5	11/11/21
21K0456-03	003_DUP-1	11/11/21
21K0456-04	004_LB-3_0-2	11/11/21
21K0456-05	005_LB-3_7-9	11/11/21
21K0456-07	007_LB-02_6-8	11/11/21
21K0456-08	008_LB-02_8-10	11/11/21
21K0456-09	009_LB-01_0-1	11/11/21
21K0456-10	010_LB-01_6.5-8.5	11/11/21
21K0456-11	011_LB-06_0-2	11/11/21
21K0456-12	012_LB-06_6-8	11/11/21
BK11601-DUP1	Duplicate	11/11/21

Batch ID: BK11606

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-07RE1	007_LB-02_6-8	11/11/21
21K0456-08RE1	008_LB-02_8-10	11/11/21
BK11606-BLK1	Blank	11/11/21
BK11606-BLK2	Blank	11/11/21
BK11606-BLK3	Blank	11/11/21
BK11606-BS1	LCS	11/11/21
BK11606-BSD1	LCS Dup	11/11/21

Batch ID: BK11625

Preparation Method: EPA SW846-7471B

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-01	001_LB-08_0-2	11/11/21
21K0456-02	002_LB-08_7.5-9.5	11/11/21
21K0456-03	003_DUP-1	11/11/21
21K0456-04	004_LB-3_0-2	11/11/21
21K0456-05	005_LB-3_7-9	11/11/21
21K0456-07	007_LB-02_6-8	11/11/21
21K0456-08	008_LB-02_8-10	11/11/21
BK11625-BLK1	Blank	11/11/21
BK11625-DUP1	Duplicate	11/11/21
BK11625-MS1	Matrix Spike	11/11/21
BK11625-SRM1	Reference	11/11/21

Batch ID: BK11659

Preparation Method: EPA SW846-3060

Prepared By: JAG

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-01	001_LB-08_0-2	11/12/21
21K0456-04	004_LB-3_0-2	11/12/21
21K0456-07	007_LB-02_6-8	11/12/21
21K0456-11	011_LB-06_0-2	11/12/21
BK11659-BLK1	Blank	11/12/21



BK11659-DUP1	Duplicate	11/12/21
BK11659-MS1	Matrix Spike	11/12/21
BK11659-SRM1	Reference	11/12/21

Batch ID: BK11692 **Preparation Method:** EPA SW846-7471B **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-09	009_LB-01_0-1	11/12/21
21K0456-10	010_LB-01_6.5-8.5	11/12/21
21K0456-11	011_LB-06_0-2	11/12/21
21K0456-12	012_LB-06_6-8	11/12/21
BK11692-BLK1	Blank	11/12/21
BK11692-DUP1	Duplicate	11/12/21
BK11692-MS1	Matrix Spike	11/12/21
BK11692-SRM1	Reference	11/12/21

Batch ID: BK11701 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21K0456-06	006_FB_11092021	11/12/21
BK11701-BLK1	Blank	11/12/21
BK11701-BLK2	Blank	11/12/21
BK11701-BS1	LCS	11/12/21
BK11701-BS2	LCS	11/12/21



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11529 - EPA 5035A

Blank (BK11529-BLK1)	Blank	Prepared & Analyzed: 11/10/2021									
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11529 - EPA 5035A

Blank (BK11529-BLK1)	Blank	Prepared & Analyzed: 11/10/2021									
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	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	51.2		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	49.6		"	50.0		99.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.3		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11529 - EPA 5035A

Blank (BK11529-BLK2)	Blank										
											Prepared & Analyzed: 11/10/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	0.0051	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11529 - EPA 5035A

Blank (BK11529-BLK2)	Blank	Prepared & Analyzed: 11/10/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	51.4		ug/L	50.0		103	77-125				
Surrogate: SURRE: Toluene-d8	49.3			50.0		98.5	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	49.9			50.0		99.7	76-130				

Blank (BK11529-BLK3)	HB-21K0456	Prepared & Analyzed: 11/10/2021									
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11529 - EPA 5035A

Blank (BK11529-BLK3) HB-21K0456

Prepared & Analyzed: 11/10/2021

2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11529 - EPA 5035A											
Blank (BK11529-BLK3)		HB-21K0456				Prepared & Analyzed: 11/10/2021					
Surrogate: SURR: 1,2-Dichloroethane-d4	49.2		ug/L	50.0		98.5	77-125				
Surrogate: SURR: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				
LCS (BK11529-BS1)		LCS				Prepared & Analyzed: 11/10/2021					
1,1,1,2-Tetrachloroethane	58.1		ug/L	50.0		116	75-129				
1,1,1-Trichloroethane	55.7		"	50.0		111	71-137				
1,1,2,2-Tetrachloroethane	55.3		"	50.0		111	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.3		"	50.0		121	58-146				
1,1,2-Trichloroethane	56.3		"	50.0		113	83-123				
1,1-Dichloroethane	54.8		"	50.0		110	75-130				
1,1-Dichloroethylene	58.0		"	50.0		116	64-137				
1,1-Dichloropropylene	55.5		"	50.0		111	77-127				
1,2,3-Trichlorobenzene	57.6		"	50.0		115	81-140				
1,2,3-Trichloropropane	54.2		"	50.0		108	81-126				
1,2,4-Trichlorobenzene	57.3		"	50.0		115	80-141				
1,2,4-Trimethylbenzene	56.2		"	50.0		112	84-125				
1,2-Dibromo-3-chloropropane	54.6		"	50.0		109	74-142				
1,2-Dibromoethane	57.0		"	50.0		114	86-123				
1,2-Dichlorobenzene	54.1		"	50.0		108	85-122				
1,2-Dichloroethane	55.6		"	50.0		111	71-133				
1,2-Dichloropropane	57.7		"	50.0		115	81-122				
1,3,5-Trimethylbenzene	55.6		"	50.0		111	82-126				
1,3-Dichlorobenzene	53.9		"	50.0		108	84-124				
1,3-Dichloropropane	55.6		"	50.0		111	83-123				
1,4-Dichlorobenzene	53.2		"	50.0		106	84-124				
1,4-Dioxane	1070		"	1050		102	10-228				
2,2-Dichloropropane	60.9		"	50.0		122	67-136				
2-Butanone	53.8		"	50.0		108	58-147				
2-Chlorotoluene	54.9		"	50.0		110	78-127				
2-Hexanone	57.2		"	50.0		114	70-139				
4-Chlorotoluene	53.6		"	50.0		107	79-125				
4-Methyl-2-pentanone	56.0		"	50.0		112	72-132				
Acetone	55.0		"	50.0		110	36-155				
Acrolein	58.7		"	50.0		117	10-238				
Acrylonitrile	56.3		"	50.0		113	66-141				
Benzene	56.6		"	50.0		113	77-127				
Bromobenzene	54.7		"	50.0		109	77-129				
Bromochloromethane	58.9		"	50.0		118	74-129				
Bromodichloromethane	58.7		"	50.0		117	81-124				
Bromoform	56.6		"	50.0		113	80-136				
Bromomethane	59.5		"	50.0		119	32-177				
Carbon disulfide	64.8		"	50.0		130	10-136				
Carbon tetrachloride	59.4		"	50.0		119	66-143				
Chlorobenzene	55.9		"	50.0		112	86-120				
Chloroethane	55.2		"	50.0		110	51-142				
Chloroform	56.0		"	50.0		112	76-131				
Chloromethane	49.7		"	50.0		99.4	49-132				
cis-1,2-Dichloroethylene	56.3		"	50.0		113	74-132				
cis-1,3-Dichloropropylene	60.4		"	50.0		121	81-129				
Cyclohexane	57.0		"	50.0		114	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11529 - EPA 5035A

LCS (BK11529-BS1)	LCS	Prepared & Analyzed: 11/10/2021									
Dibromochloromethane	57.9	ug/L	50.0	116	10-200						
Dibromomethane	55.0	"	50.0	110	83-124						
Dichlorodifluoromethane	42.8	"	50.0	85.5	28-158						
Ethyl Benzene	56.0	"	50.0	112	84-125						
Hexachlorobutadiene	56.1	"	50.0	112	83-133						
Isopropylbenzene	53.9	"	50.0	108	81-127						
Methyl acetate	52.2	"	50.0	104	41-143						
Methyl tert-butyl ether (MTBE)	57.8	"	50.0	116	74-131						
Methylcyclohexane	58.4	"	50.0	117	70-130						
Methylene chloride	60.4	"	50.0	121	57-141						
n-Butylbenzene	54.9	"	50.0	110	80-130						
n-Propylbenzene	53.8	"	50.0	108	74-136						
o-Xylene	56.4	"	50.0	113	83-123						
p- & m- Xylenes	113	"	100	113	82-128						
p-Isopropyltoluene	56.1	"	50.0	112	85-125						
sec-Butylbenzene	57.6	"	50.0	115	83-125						
Styrene	58.6	"	50.0	117	86-126						
tert-Butyl alcohol (TBA)	304	"	250	121	70-130						
tert-Butylbenzene	54.0	"	50.0	108	80-127						
Tetrachloroethylene	53.3	"	50.0	107	80-129						
Toluene	55.1	"	50.0	110	85-121						
trans-1,2-Dichloroethylene	59.7	"	50.0	119	72-132						
trans-1,3-Dichloropropylene	61.7	"	50.0	123	78-132						
Trichloroethylene	56.4	"	50.0	113	84-123						
Trichlorofluoromethane	54.4	"	50.0	109	62-140						
Vinyl acetate	57.1	"	50.0	114	67-136						
Vinyl Chloride	53.2	"	50.0	106	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	50.3	"	50.0	101	77-125						
Surrogate: SURR: Toluene-d8	50.3	"	50.0	101	85-120						
Surrogate: SURR: p-Bromofluorobenzene	49.3	"	50.0	98.7	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BK11529 - EPA 5035A											
LCS Dup (BK11529-bsd1)	LCS Dup	Prepared & Analyzed: 11/10/2021									
1,1,1,2-Tetrachloroethane	57.8		ug/L	50.0		116	75-129			0.518	30
1,1,1-Trichloroethane	56.0		"	50.0		112	71-137			0.573	30
1,1,2,2-Tetrachloroethane	54.1		"	50.0		108	79-129			2.25	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.5		"	50.0		121	58-146			0.364	30
1,1,2-Trichloroethane	55.9		"	50.0		112	83-123			0.713	30
1,1-Dichloroethane	53.5		"	50.0		107	75-130			2.49	30
1,1-Dichloroethylene	58.0		"	50.0		116	64-137			0.0172	30
1,1-Dichloropropylene	54.9		"	50.0		110	77-127			1.16	30
1,2,3-Trichlorobenzene	56.0		"	50.0		112	81-140			2.75	30
1,2,3-Trichloropropane	52.4		"	50.0		105	81-126			3.34	30
1,2,4-Trichlorobenzene	56.9		"	50.0		114	80-141			0.701	30
1,2,4-Trimethylbenzene	55.4		"	50.0		111	84-125			1.43	30
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142			3.79	30
1,2-Dibromoethane	56.8		"	50.0		114	86-123			0.475	30
1,2-Dichlorobenzene	53.0		"	50.0		106	85-122			2.05	30
1,2-Dichloroethane	54.3		"	50.0		109	71-133			2.42	30
1,2-Dichloropropane	56.6		"	50.0		113	81-122			2.08	30
1,3,5-Trimethylbenzene	55.0		"	50.0		110	82-126			1.03	30
1,3-Dichlorobenzene	52.7		"	50.0		105	84-124			2.25	30
1,3-Dichloropropane	54.3		"	50.0		109	83-123			2.31	30
1,4-Dichlorobenzene	52.5		"	50.0		105	84-124			1.27	30
1,4-Dioxane	1080		"	1050		103	10-228			0.656	30
2,2-Dichloropropane	59.5		"	50.0		119	67-136			2.31	30
2-Butanone	55.4		"	50.0		111	58-147			2.89	30
2-Chlorotoluene	54.0		"	50.0		108	78-127			1.63	30
2-Hexanone	56.2		"	50.0		112	70-139			1.69	30
4-Chlorotoluene	57.7		"	50.0		115	79-125			7.28	30
4-Methyl-2-pentanone	56.3		"	50.0		113	72-132			0.410	30
Acetone	52.6		"	50.0		105	36-155			4.50	30
Acrolein	58.4		"	50.0		117	10-238			0.495	30
Acrylonitrile	56.2		"	50.0		112	66-141			0.249	30
Benzene	55.6		"	50.0		111	77-127			1.80	30
Bromobenzene	54.2		"	50.0		108	77-129			0.918	30
Bromochloromethane	57.6		"	50.0		115	74-129			2.27	30
Bromodichloromethane	58.2		"	50.0		116	81-124			0.889	30
Bromoform	56.0		"	50.0		112	80-136			1.23	30
Bromomethane	53.7		"	50.0		107	32-177			10.3	30
Carbon disulfide	63.6		"	50.0		127	10-136			1.99	30
Carbon tetrachloride	59.4		"	50.0		119	66-143			0.118	30
Chlorobenzene	54.5		"	50.0		109	86-120			2.57	30
Chloroethane	54.5		"	50.0		109	51-142			1.28	30
Chloroform	55.2		"	50.0		110	76-131			1.55	30
Chloromethane	48.2		"	50.0		96.4	49-132			3.04	30
cis-1,2-Dichloroethylene	55.2		"	50.0		110	74-132			2.06	30
cis-1,3-Dichloropropylene	58.0		"	50.0		116	81-129			4.14	30
Cyclohexane	55.8		"	50.0		112	70-130			2.11	30
Dibromochloromethane	56.6		"	50.0		113	10-200			2.32	30
Dibromomethane	54.2		"	50.0		108	83-124			1.41	30
Dichlorodifluoromethane	42.0		"	50.0		84.1	28-158			1.75	30
Ethyl Benzene	55.2		"	50.0		110	84-125			1.53	30
Hexachlorobutadiene	55.3		"	50.0		111	83-133			1.38	30



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11529 - EPA 5035A											
LCS Dup (BK11529-bsd1)	LCS Dup	Prepared & Analyzed: 11/10/2021									
Isopropylbenzene	53.5		ug/L	50.0		107	81-127		0.708	30	
Methyl acetate	52.2		"	50.0		104	41-143		0.153	30	
Methyl tert-butyl ether (MTBE)	57.4		"	50.0		115	74-131		0.677	30	
Methylcyclohexane	56.7		"	50.0		113	70-130		2.85	30	
Methylene chloride	59.7		"	50.0		119	57-141		1.27	30	
n-Butylbenzene	53.9		"	50.0		108	80-130		1.86	30	
n-Propylbenzene	53.2		"	50.0		106	74-136		1.23	30	
o-Xylene	55.6		"	50.0		111	83-123		1.27	30	
p- & m- Xylenes	110		"	100		110	82-128		2.49	30	
p-Isopropyltoluene	55.7		"	50.0		111	85-125		0.697	30	
sec-Butylbenzene	56.7		"	50.0		113	83-125		1.57	30	
Styrene	58.2		"	50.0		116	86-126		0.770	30	
tert-Butyl alcohol (TBA)	313		"	250		125	70-130		2.95	30	
tert-Butylbenzene	53.8		"	50.0		108	80-127		0.501	30	
Tetrachloroethylene	52.5		"	50.0		105	80-129		1.48	30	
Toluene	54.3		"	50.0		109	85-121		1.43	30	
trans-1,2-Dichloroethylene	59.2		"	50.0		118	72-132		0.976	30	
trans-1,3-Dichloropropylene	59.4		"	50.0		119	78-132		3.75	30	
Trichloroethylene	56.2		"	50.0		112	84-123		0.337	30	
Trichlorofluoromethane	54.4		"	50.0		109	62-140		0.0184	30	
Vinyl acetate	58.2		"	50.0		116	67-136		1.93	30	
Vinyl Chloride	51.6		"	50.0		103	52-130		3.15	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.7</i>		<i>"</i>	<i>50.0</i>		<i>99.4</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.1</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.6</i>	<i>76-130</i>				

Batch BK11536 - EPA 5030B

Blank (BK11536-BLK1)	Blank	Prepared & Analyzed: 11/10/2021									
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11536 - EPA 5030B

Blank (BK11536-BLK1)	Blank										
											Prepared & Analyzed: 11/10/2021
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11536 - EPA 5030B												
Blank (BK11536-BLK1)	Blank								Prepared & Analyzed: 11/10/2021			
Xylenes, Total	ND	1.50	ug/L									
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130					
Surrogate: SURR: Toluene-d8	9.49		"	10.0		94.9	81-117					
Surrogate: SURR: p-Bromofluorobenzene	9.60		"	10.0		96.0	79-122					
LCS (BK11536-BS1)	LCS								Prepared & Analyzed: 11/10/2021			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126					
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136					
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115	54-165					
1,1,2-Trichloroethane	9.60		"	10.0		96.0	82-123					
1,1-Dichloroethane	10.4		"	10.0		104	82-129					
1,1-Dichloroethylene	10.8		"	10.0		108	68-138					
1,1-Dichloropropylene	10.9		"	10.0		109	83-133					
1,2,3-Trichlorobenzene	8.88		"	10.0		88.8	76-136					
1,2,3-Trichloropropane	9.60		"	10.0		96.0	77-128					
1,2,4-Trichlorobenzene	9.31		"	10.0		93.1	76-137					
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132					
1,2-Dibromo-3-chloropropane	8.84		"	10.0		88.4	45-147					
1,2-Dibromoethane	9.63		"	10.0		96.3	83-124					
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123					
1,2-Dichloroethane	10.3		"	10.0		103	73-132					
1,2-Dichloropropane	10.3		"	10.0		103	78-126					
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131					
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122					
1,3-Dichloropropane	9.57		"	10.0		95.7	81-125					
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124					
1,4-Dioxane	507		"	210		242	10-349					
2,2-Dichloropropane	11.6		"	10.0		116	56-150					
2-Butanone	10.3		"	10.0		103	49-152					
2-Chlorotoluene	10.6		"	10.0		106	79-130					
2-Hexanone	8.98		"	10.0		89.8	51-146					
4-Chlorotoluene	10.4		"	10.0		104	79-128					
4-Methyl-2-pentanone	9.03		"	10.0		90.3	57-145					
Acetone	9.18		"	10.0		91.8	14-150					
Acrolein	14.9		"	10.0		149	10-153					
Acrylonitrile	10.4		"	10.0		104	51-150					
Benzene	11.2		"	10.0		112	85-126					
Bromobenzene	10.2		"	10.0		102	78-129					
Bromochloromethane	10.7		"	10.0		107	77-128					
Bromodichloromethane	9.66		"	10.0		96.6	79-128					
Bromoform	9.38		"	10.0		93.8	78-133					
Bromomethane	5.72		"	10.0		57.2	43-168					
Carbon disulfide	10.7		"	10.0		107	68-146					
Carbon tetrachloride	10.9		"	10.0		109	77-141					
Chlorobenzene	10.5		"	10.0		105	88-120					
Chloroethane	11.4		"	10.0		114	65-136					
Chloroform	10.6		"	10.0		106	82-128					
Chloromethane	8.91		"	10.0		89.1	43-155					
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129					
cis-1,3-Dichloropropylene	9.81		"	10.0		98.1	80-131					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	
Batch BK11536 - EPA 5030B											
LCS (BK11536-BS1)	LCS									Prepared & Analyzed: 11/10/2021	
Cyclohexane	8.19		ug/L	10.0		81.9	63-149				
Dibromochloromethane	9.76		"	10.0		97.6	80-130				
Dibromomethane	9.56		"	10.0		95.6	72-134				
Dichlorodifluoromethane	9.28		"	10.0		92.8	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	8.66		"	10.0		86.6	67-146				
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl acetate	9.59		"	10.0		95.9	51-139				
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9	76-135				
Methylcyclohexane	10.6		"	10.0		106	72-143				
Methylene chloride	10.5		"	10.0		105	55-137				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	22.0		"	20.0		110	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	11.2		"	10.0		112	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butyl alcohol (TBA)	46.1		"	50.0		92.1	25-162				
tert-Butylbenzene	8.81		"	10.0		88.1	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.58		"	10.0		95.8	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	11.4		"	10.0		114	67-139				
Vinyl acetate	7.55		"	10.0		75.5	21-90				
Vinyl Chloride	10.9		"	10.0		109	58-145				
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>69-130</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>81-117</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11536 - EPA 5030B											
LCS Dup (BK11536-BSD1)	LCS Dup										Prepared & Analyzed: 11/10/2021
1,1,1,2-Tetrachloroethane	9.85		ug/L	10.0		98.5	82-126		3.78	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		3.85	30	
1,1,2,2-Tetrachloroethane	9.78		"	10.0		97.8	76-129		3.52	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	54-165		3.90	30	
1,1,2-Trichloroethane	9.58		"	10.0		95.8	82-123		0.209	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		3.13	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		3.20	30	
1,1-Dichloropropylene	10.5		"	10.0		105	83-133		3.46	30	
1,2,3-Trichlorobenzene	8.94		"	10.0		89.4	76-136		0.673	30	
1,2,3-Trichloropropane	9.27		"	10.0		92.7	77-128		3.50	30	
1,2,4-Trichlorobenzene	9.17		"	10.0		91.7	76-137		1.52	30	
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132		6.37	30	
1,2-Dibromo-3-chloropropane	8.87		"	10.0		88.7	45-147		0.339	30	
1,2-Dibromoethane	9.61		"	10.0		96.1	83-124		0.208	30	
1,2-Dichlorobenzene	9.75		"	10.0		97.5	79-123		4.51	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		0.978	30	
1,2-Dichloropropane	9.85		"	10.0		98.5	78-126		4.76	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		8.00	30	
1,3-Dichlorobenzene	9.43		"	10.0		94.3	86-122		7.06	30	
1,3-Dichloropropane	9.53		"	10.0		95.3	81-125		0.419	30	
1,4-Dichlorobenzene	9.48		"	10.0		94.8	85-124		6.53	30	
1,4-Dioxane	508		"	210		242	10-349		0.0670	30	
2,2-Dichloropropane	11.1		"	10.0		111	56-150		4.22	30	
2-Butanone	11.0		"	10.0		110	49-152		5.92	30	
2-Chlorotoluene	9.76		"	10.0		97.6	79-130		8.63	30	
2-Hexanone	9.21		"	10.0		92.1	51-146		2.53	30	
4-Chlorotoluene	9.64		"	10.0		96.4	79-128		7.68	30	
4-Methyl-2-pentanone	9.28		"	10.0		92.8	57-145		2.73	30	
Acetone	9.72		"	10.0		97.2	14-150		5.71	30	
Acrolein	16.5		"	10.0		165	10-153	High Bias	10.1	30	
Acrylonitrile	10.6		"	10.0		106	51-150		2.28	30	
Benzene	10.8		"	10.0		108	85-126		3.37	30	
Bromobenzene	8.69		"	10.0		86.9	78-129		15.5	30	
Bromochloromethane	10.5		"	10.0		105	77-128		2.17	30	
Bromodichloromethane	9.31		"	10.0		93.1	79-128		3.69	30	
Bromoform	9.48		"	10.0		94.8	78-133		1.06	30	
Bromomethane	5.69		"	10.0		56.9	43-168		0.526	30	
Carbon disulfide	10.2		"	10.0		102	68-146		4.99	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		3.94	30	
Chlorobenzene	9.95		"	10.0		99.5	88-120		5.38	30	
Chloroethane	10.9		"	10.0		109	65-136		4.66	30	
Chloroform	10.4		"	10.0		104	82-128		1.62	30	
Chloromethane	8.49		"	10.0		84.9	43-155		4.83	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		2.43	30	
cis-1,3-Dichloropropylene	9.49		"	10.0		94.9	80-131		3.32	30	
Cyclohexane	7.97		"	10.0		79.7	63-149		2.72	30	
Dibromochloromethane	9.57		"	10.0		95.7	80-130		1.97	30	
Dibromomethane	9.47		"	10.0		94.7	72-134		0.946	30	
Dichlorodifluoromethane	8.98		"	10.0		89.8	44-144		3.29	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		4.57	30	
Hexachlorobutadiene	8.77		"	10.0		87.7	67-146		1.26	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11536 - EPA 5030B											
LCS Dup (BK11536-BSD1)	LCS Dup	Prepared & Analyzed: 11/10/2021									
Isopropylbenzene	9.92		ug/L	10.0		99.2	76-140		8.86	30	
Methyl acetate	9.86		"	10.0		98.6	51-139		2.78	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135		2.08	30	
Methylcyclohexane	10.2		"	10.0		102	72-143		4.13	30	
Methylene chloride	10.2		"	10.0		102	55-137		2.03	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		1.89	30	
n-Propylbenzene	9.98		"	10.0		99.8	78-133		8.81	30	
o-Xylene	10.2		"	10.0		102	78-130		4.03	30	
p- & m- Xylenes	21.1		"	20.0		106	77-133		4.13	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		6.50	30	
sec-Butylbenzene	10.4		"	10.0		104	79-137		7.59	30	
Styrene	10.4		"	10.0		104	67-132		4.24	30	
tert-Butyl alcohol (TBA)	46.8		"	50.0		93.6	25-162		1.55	30	
tert-Butylbenzene	8.10		"	10.0		81.0	77-138		8.40	30	
Tetrachloroethylene	9.77		"	10.0		97.7	82-131		4.60	30	
Toluene	9.89		"	10.0		98.9	80-127		4.74	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		3.20	30	
trans-1,3-Dichloropropylene	9.41		"	10.0		94.1	78-131		1.79	30	
Trichloroethylene	9.56		"	10.0		95.6	82-128		6.58	30	
Trichlorofluoromethane	11.1		"	10.0		111	67-139		3.29	30	
Vinyl acetate	8.08		"	10.0		80.8	21-90		6.78	30	
Vinyl Chloride	10.4		"	10.0		104	58-145		4.69	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.53</i>		<i>"</i>	<i>10.0</i>		<i>95.3</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.55</i>		<i>"</i>	<i>10.0</i>		<i>95.5</i>	<i>79-122</i>				

Batch BK11606 - EPA 5035A

Blank (BK11606-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK1)	Blank										
											Prepared & Analyzed: 11/11/2021
2,2-Dichloropropane	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK1) Blank Prepared & Analyzed: 11/11/2021

Xylenes, Total	ND	0.015	mg/kg wet								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.5		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	56.2		"	50.0		112	76-130				

Blank (BK11606-BLK2) Blank Prepared & Analyzed: 11/11/2021

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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK2) Blank

Prepared & Analyzed: 11/11/2021

Cyclohexane	ND	0.0050	mg/kg wet								
Dibromochloromethane	ND	0.0050	"								
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	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.9</i>		<i>ug/L</i>	<i>50.0</i>		<i>99.9</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.6</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>55.7</i>		<i>"</i>	<i>50.0</i>		<i>111</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK3)	Blank										
											Prepared & Analyzed: 11/11/2021
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	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK3)	Blank	Prepared & Analyzed: 11/11/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	47.8		ug/L	50.0		95.5	77-125				
Surrogate: SURRE: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	57.4		"	50.0		115	76-130				

LCS (BK11606-BS1)	LCS	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.5	75-129				
1,1,1-Trichloroethane	54.1		"	50.0		108	71-137				
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.6		"	50.0		117	58-146				
1,1,2-Trichloroethane	48.0		"	50.0		96.0	83-123				
1,1-Dichloroethane	51.0		"	50.0		102	75-130				
1,1-Dichloroethylene	52.9		"	50.0		106	64-137				
1,1-Dichloropropylene	50.0		"	50.0		100	77-127				
1,2,3-Trichlorobenzene	52.7		"	50.0		105	81-140				
1,2,3-Trichloropropane	49.1		"	50.0		98.2	81-126				
1,2,4-Trichlorobenzene	53.3		"	50.0		107	80-141				
1,2,4-Trimethylbenzene	50.8		"	50.0		102	84-125				
1,2-Dibromo-3-chloropropane	46.2		"	50.0		92.3	74-142				
1,2-Dibromoethane	51.1		"	50.0		102	86-123				
1,2-Dichlorobenzene	49.4		"	50.0		98.8	85-122				
1,2-Dichloroethane	50.9		"	50.0		102	71-133				
1,2-Dichloropropane	48.6		"	50.0		97.3	81-122				
1,3,5-Trimethylbenzene	50.0		"	50.0		99.9	82-126				
1,3-Dichlorobenzene	49.3		"	50.0		98.7	84-124				
1,3-Dichloropropane	48.2		"	50.0		96.3	83-123				
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124				
1,4-Dioxane	992		"	1050		94.5	10-228				
2,2-Dichloropropane	43.9		"	50.0		87.8	67-136				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11606 - EPA 5035A											
LCS (BK11606-BS1)	LCS										Prepared & Analyzed: 11/11/2021
2-Butanone	50.2		ug/L	50.0		100	58-147				
2-Chlorotoluene	48.5		"	50.0		97.0	78-127				
2-Hexanone	45.6		"	50.0		91.2	70-139				
4-Chlorotoluene	49.0		"	50.0		98.0	79-125				
4-Methyl-2-pentanone	41.1		"	50.0		82.1	72-132				
Acetone	35.3		"	50.0		70.5	36-155				
Acrolein	79.5		"	50.0		159	10-238				
Acrylonitrile	53.0		"	50.0		106	66-141				
Benzene	52.4		"	50.0		105	77-127				
Bromobenzene	48.0		"	50.0		96.0	77-129				
Bromochloromethane	51.9		"	50.0		104	74-129				
Bromodichloromethane	50.9		"	50.0		102	81-124				
Bromoform	49.6		"	50.0		99.2	80-136				
Bromomethane	47.4		"	50.0		94.8	32-177				
Carbon disulfide	55.2		"	50.0		110	10-136				
Carbon tetrachloride	49.8		"	50.0		99.6	66-143				
Chlorobenzene	49.0		"	50.0		98.1	86-120				
Chloroethane	51.8		"	50.0		104	51-142				
Chloroform	53.1		"	50.0		106	76-131				
Chloromethane	43.1		"	50.0		86.3	49-132				
cis-1,2-Dichloroethylene	51.6		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	49.9		"	50.0		99.9	81-129				
Cyclohexane	52.4		"	50.0		105	70-130				
Dibromochloromethane	49.0		"	50.0		98.1	10-200				
Dibromomethane	48.5		"	50.0		97.0	83-124				
Dichlorodifluoromethane	47.6		"	50.0		95.3	28-158				
Ethyl Benzene	49.9		"	50.0		99.8	84-125				
Hexachlorobutadiene	52.1		"	50.0		104	83-133				
Isopropylbenzene	48.8		"	50.0		97.6	81-127				
Methyl acetate	45.9		"	50.0		91.8	41-143				
Methyl tert-butyl ether (MTBE)	48.4		"	50.0		96.7	74-131				
Methylcyclohexane	47.8		"	50.0		95.5	70-130				
Methylene chloride	54.2		"	50.0		108	57-141				
n-Butylbenzene	47.4		"	50.0		94.7	80-130				
n-Propylbenzene	48.0		"	50.0		96.1	74-136				
o-Xylene	49.5		"	50.0		98.9	83-123				
p- & m- Xylenes	98.9		"	100		98.9	82-128				
p-Isopropyltoluene	50.9		"	50.0		102	85-125				
sec-Butylbenzene	52.0		"	50.0		104	83-125				
Styrene	51.1		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	264		"	250		106	70-130				
tert-Butylbenzene	43.1		"	50.0		86.3	80-127				
Tetrachloroethylene	48.5		"	50.0		97.0	80-129				
Toluene	48.9		"	50.0		97.7	85-121				
trans-1,2-Dichloroethylene	54.4		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	42.6		"	50.0		85.2	78-132				
Trichloroethylene	48.9		"	50.0		97.9	84-123				
Trichlorofluoromethane	51.6		"	50.0		103	62-140				
Vinyl acetate	49.6		"	50.0		99.3	67-136				
Vinyl Chloride	46.5		"	50.0		92.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.3		"	50.0		101	77-125				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11606 - EPA 5035A											
LCS (BK11606-BS1)		LCS		Prepared & Analyzed: 11/11/2021							
Surrogate: SURR: Toluene-d8	48.4		ug/L	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.5		"	50.0		101	76-130				
LCS Dup (BK11606-BS1)		LCS Dup		Prepared & Analyzed: 11/11/2021							
1,1,1,2-Tetrachloroethane	45.4		ug/L	50.0		90.8	75-129		1.77	30	
1,1,1-Trichloroethane	53.5		"	50.0		107	71-137		1.15	30	
1,1,2,2-Tetrachloroethane	51.0		"	50.0		102	79-129		0.551	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.3		"	50.0		105	58-146		11.3	30	
1,1,2-Trichloroethane	47.7		"	50.0		95.4	83-123		0.627	30	
1,1-Dichloroethane	50.8		"	50.0		102	75-130		0.354	30	
1,1-Dichloroethylene	50.0		"	50.0		100	64-137		5.54	30	
1,1-Dichloropropylene	49.2		"	50.0		98.5	77-127		1.61	30	
1,2,3-Trichlorobenzene	51.3		"	50.0		103	81-140		2.69	30	
1,2,3-Trichloropropane	50.4		"	50.0		101	81-126		2.71	30	
1,2,4-Trichlorobenzene	51.3		"	50.0		103	80-141		3.77	30	
1,2,4-Trimethylbenzene	50.3		"	50.0		101	84-125		0.969	30	
1,2-Dibromo-3-chloropropane	47.5		"	50.0		95.0	74-142		2.80	30	
1,2-Dibromoethane	51.2		"	50.0		102	86-123		0.137	30	
1,2-Dichlorobenzene	48.4		"	50.0		96.8	85-122		2.09	30	
1,2-Dichloroethane	49.8		"	50.0		99.6	71-133		2.18	30	
1,2-Dichloropropane	48.0		"	50.0		96.0	81-122		1.32	30	
1,3,5-Trimethylbenzene	49.4		"	50.0		98.8	82-126		1.09	30	
1,3-Dichlorobenzene	49.0		"	50.0		98.0	84-124		0.651	30	
1,3-Dichloropropane	47.3		"	50.0		94.7	83-123		1.70	30	
1,4-Dichlorobenzene	49.1		"	50.0		98.2	84-124		1.26	30	
1,4-Dioxane	1020		"	1050		97.4	10-228		3.06	30	
2,2-Dichloropropane	45.3		"	50.0		90.5	67-136		3.12	30	
2-Butanone	52.3		"	50.0		105	58-147		4.15	30	
2-Chlorotoluene	48.3		"	50.0		96.6	78-127		0.434	30	
2-Hexanone	47.4		"	50.0		94.8	70-139		3.87	30	
4-Chlorotoluene	48.4		"	50.0		96.8	79-125		1.25	30	
4-Methyl-2-pentanone	41.5		"	50.0		82.9	72-132		0.969	30	
Acetone	37.2		"	50.0		74.3	36-155		5.22	30	
Acrolein	78.1		"	50.0		156	10-238		1.83	30	
Acrylonitrile	55.8		"	50.0		112	66-141		5.17	30	
Benzene	51.9		"	50.0		104	77-127		1.02	30	
Bromobenzene	47.9		"	50.0		95.7	77-129		0.271	30	
Bromochloromethane	49.7		"	50.0		99.5	74-129		4.23	30	
Bromodichloromethane	49.6		"	50.0		99.3	81-124		2.51	30	
Bromoform	48.9		"	50.0		97.9	80-136		1.34	30	
Bromomethane	45.4		"	50.0		90.9	32-177		4.20	30	
Carbon disulfide	55.0		"	50.0		110	10-136		0.345	30	
Carbon tetrachloride	49.1		"	50.0		98.2	66-143		1.44	30	
Chlorobenzene	48.3		"	50.0		96.7	86-120		1.44	30	
Chloroethane	48.9		"	50.0		97.7	51-142		5.74	30	
Chloroform	52.7		"	50.0		105	76-131		0.813	30	
Chloromethane	42.5		"	50.0		85.0	49-132		1.47	30	
cis-1,2-Dichloroethylene	50.7		"	50.0		101	74-132		1.76	30	
cis-1,3-Dichloropropylene	49.8		"	50.0		99.7	81-129		0.200	30	
Cyclohexane	51.0		"	50.0		102	70-130		2.67	30	
Dibromochloromethane	47.6		"	50.0		95.3	10-200		2.94	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11606 - EPA 5035A											
LCS Dup (BK11606-BS1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
Dibromomethane	48.0		ug/L	50.0		96.0	83-124		1.06	30	
Dichlorodifluoromethane	46.5		"	50.0		93.0	28-158		2.36	30	
Ethyl Benzene	49.3		"	50.0		98.5	84-125		1.27	30	
Hexachlorobutadiene	50.6		"	50.0		101	83-133		3.04	30	
Isopropylbenzene	48.3		"	50.0		96.6	81-127		1.03	30	
Methyl acetate	47.3		"	50.0		94.6	41-143		2.94	30	
Methyl tert-butyl ether (MTBE)	49.5		"	50.0		99.0	74-131		2.29	30	
Methylcyclohexane	47.1		"	50.0		94.1	70-130		1.43	30	
Methylene chloride	53.0		"	50.0		106	57-141		2.22	30	
n-Butylbenzene	46.7		"	50.0		93.5	80-130		1.30	30	
n-Propylbenzene	48.0		"	50.0		96.0	74-136		0.104	30	
o-Xylene	48.4		"	50.0		96.9	83-123		2.08	30	
p- & m- Xylenes	97.6		"	100		97.6	82-128		1.39	30	
p-Isopropyltoluene	50.4		"	50.0		101	85-125		1.11	30	
sec-Butylbenzene	51.4		"	50.0		103	83-125		1.10	30	
Styrene	49.8		"	50.0		99.5	86-126		2.68	30	
tert-Butyl alcohol (TBA)	310		"	250		124	70-130		15.9	30	
tert-Butylbenzene	42.4		"	50.0		84.8	80-127		1.68	30	
Tetrachloroethylene	48.4		"	50.0		96.8	80-129		0.144	30	
Toluene	48.3		"	50.0		96.6	85-121		1.19	30	
trans-1,2-Dichloroethylene	54.6		"	50.0		109	72-132		0.386	30	
trans-1,3-Dichloropropylene	41.6		"	50.0		83.2	78-132		2.40	30	
Trichloroethylene	48.1		"	50.0		96.2	84-123		1.73	30	
Trichlorofluoromethane	50.0		"	50.0		100	62-140		2.99	30	
Vinyl acetate	49.8		"	50.0		99.6	67-136		0.302	30	
Vinyl Chloride	46.4		"	50.0		92.7	52-130		0.237	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.5		"	50.0		98.9	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.8		"	50.0		102	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11538 - EPA 3510C

Blank (BK11538-BLK1)	Blank	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	ND	5.00	ug/L								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
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	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: Nitrobenzene-d5	18.8		"	25.0		75.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.5		"	25.0		78.1	39.9-105				
Surrogate: SURR: Terphenyl-d14	22.2		"	25.0		89.0	30.7-106				

Blank (BK11538-BLK2)	Blank	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	ND	5.00	ug/L								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
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	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11538 - EPA 3510C

LCS (BK11538-BS1)	LCS	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	15.4	5.00	ug/L	25.0		61.4	33-101				
Acenaphthene	17.2	0.0500	"	25.0		69.0	24-114				
Acenaphthylene	17.0	0.0500	"	25.0		68.0	26-112				
Anthracene	21.0	0.0500	"	25.0		83.9	35-114				
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.6	38-127				
Benzo(a)pyrene	22.5	0.0500	"	25.0		90.0	30-146				
Benzo(b)fluoranthene	20.9	0.0500	"	25.0		83.5	36-145				
Benzo(g,h,i)perylene	20.0	0.0500	"	25.0		79.8	10-163				
Benzo(k)fluoranthene	22.3	0.0500	"	25.0		89.3	16-149				
Chrysene	19.0	0.0500	"	25.0		76.1	33-120				
Dibenzo(a,h)anthracene	22.7	0.0500	"	25.0		90.8	10-149				
Fluoranthene	21.5	0.0500	"	25.0		86.0	33-126				
Fluorene	18.1	0.0500	"	25.0		72.5	28-117				
Indeno(1,2,3-cd)pyrene	18.0	0.0500	"	25.0		72.1	10-150				
Naphthalene	14.6	0.0500	"	25.0		58.4	30-99				
Phenanthrene	18.5	0.0500	"	25.0		74.0	31-112				
Pyrene	18.7	0.0500	"	25.0		74.8	42-125				
Surrogate: SURR: Nitrobenzene-d5	17.0		"	25.0		67.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.3		"	25.0		73.1	39.9-105				
Surrogate: SURR: Terphenyl-d14	23.6		"	25.0		94.2	30.7-106				

LCS (BK11538-BS2)	LCS	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	ND	5.00	ug/L	1.00			33-101	Low Bias			
Acenaphthene	0.640	0.0500	"	1.00		64.0	24-114				
Acenaphthylene	0.700	0.0500	"	1.00		70.0	26-112				
Anthracene	0.730	0.0500	"	1.00		73.0	35-114				
Benzo(a)anthracene	0.810	0.0500	"	1.00		81.0	38-127				
Benzo(a)pyrene	0.750	0.0500	"	1.00		75.0	30-146				
Benzo(b)fluoranthene	0.710	0.0500	"	1.00		71.0	36-145				
Benzo(g,h,i)perylene	0.830	0.0500	"	1.00		83.0	10-163				
Benzo(k)fluoranthene	0.700	0.0500	"	1.00		70.0	16-149				
Chrysene	0.770	0.0500	"	1.00		77.0	33-120				
Dibenzo(a,h)anthracene	0.820	0.0500	"	1.00		82.0	10-149				
Fluoranthene	0.820	0.0500	"	1.00		82.0	33-126				
Fluorene	0.730	0.0500	"	1.00		73.0	28-117				
Indeno(1,2,3-cd)pyrene	0.780	0.0500	"	1.00		78.0	10-150				
Naphthalene	0.690	0.0500	"	1.00		69.0	30-99				
Phenanthrene	0.720	0.0500	"	1.00		72.0	31-112				
Pyrene	0.750	0.0500	"	1.00		75.0	42-125				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11538 - EPA 3510C											
LCS Dup (BK11538-bsd1)	LCS Dup	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	19.3	5.00	ug/L	25.0		77.3	33-101		23.0	20	Non-dir.
Acenaphthene	19.1	0.0500	"	25.0		76.4	24-114		10.2	20	
Acenaphthylene	18.7	0.0500	"	25.0		74.7	26-112		9.42	20	
Anthracene	20.7	0.0500	"	25.0		82.8	35-114		1.34	20	
Benzo(a)anthracene	21.2	0.0500	"	25.0		84.9	38-127		2.77	20	
Benzo(a)pyrene	23.2	0.0500	"	25.0		92.9	30-146		3.19	20	
Benzo(b)fluoranthene	20.9	0.0500	"	25.0		83.6	36-145		0.0957	20	
Benzo(g,h,i)perylene	21.0	0.0500	"	25.0		83.9	10-163		4.98	20	
Benzo(k)fluoranthene	22.4	0.0500	"	25.0		89.6	16-149		0.313	20	
Chrysene	19.6	0.0500	"	25.0		78.4	33-120		2.90	20	
Dibenzo(a,h)anthracene	23.7	0.0500	"	25.0		94.8	10-149		4.22	20	
Fluoranthene	21.5	0.0500	"	25.0		86.0	33-126		0.0930	20	
Fluorene	20.2	0.0500	"	25.0		81.0	28-117		11.0	20	
Indeno(1,2,3-cd)pyrene	23.0	0.0500	"	25.0		91.9	10-150		24.2	20	Non-dir.
Naphthalene	18.0	0.0500	"	25.0		72.1	30-99		21.0	20	Non-dir.
Phenanthrene	19.2	0.0500	"	25.0		76.9	31-112		3.87	20	
Pyrene	18.8	0.0500	"	25.0		75.2	42-125		0.480	20	
Surrogate: Surr: Nitrobenzene-d5	19.0		"	25.0		76.0	50.2-113				
Surrogate: Surr: 2-Fluorobiphenyl	19.7		"	25.0		79.0	39.9-105				
Surrogate: Surr: Terphenyl-d14	22.0		"	25.0		88.2	30.7-106				

Batch BK11539 - EPA 3546 SVOA

Blank (BK11539-BLK1)	Blank	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	ND	0.0416	mg/kg wet								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
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	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: Surr: Nitrobenzene-d5	0.771		"	0.831		92.8	22-108				
Surrogate: Surr: 2-Fluorobiphenyl	0.601		"	0.831		72.3	21-113				
Surrogate: Surr: Terphenyl-d14	0.632		"	0.831		76.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11539 - EPA 3546 SVOA

LCS (BK11539-BS1)	LCS	Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	0.449	0.0416	mg/kg wet	0.831		54.0	12-138				
Acenaphthene	0.437	0.0416	"	0.831		52.6	30-121				
Acenaphthylene	0.442	0.0416	"	0.831		53.2	30-115				
Anthracene	0.449	0.0416	"	0.831		54.0	34-118				
Benzo(a)anthracene	0.434	0.0416	"	0.831		52.2	32-122				
Benzo(a)pyrene	0.417	0.0416	"	0.831		50.2	29-133				
Benzo(b)fluoranthene	0.397	0.0416	"	0.831		47.8	25-133				
Benzo(g,h,i)perylene	0.453	0.0416	"	0.831		54.5	10-143				
Benzo(k)fluoranthene	0.390	0.0416	"	0.831		46.9	25-128				
Chrysene	0.410	0.0416	"	0.831		49.3	32-123				
Dibenzo(a,h)anthracene	0.440	0.0416	"	0.831		53.0	10-136				
Fluoranthene	0.409	0.0416	"	0.831		49.3	33-122				
Fluorene	0.426	0.0416	"	0.831		51.3	29-123				
Indeno(1,2,3-cd)pyrene	0.420	0.0416	"	0.831		50.5	10-135				
Naphthalene	0.459	0.0416	"	0.831		55.3	23-124				
Phenanthrene	0.421	0.0416	"	0.831		50.7	33-123				
Pyrene	0.450	0.0416	"	0.831		54.2	24-130				
Surrogate: SURR: Nitrobenzene-d5	0.579		"	0.831		69.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.450		"	0.831		54.2	21-113				
Surrogate: SURR: Terphenyl-d14	0.447		"	0.831		53.8	24-116				

Matrix Spike (BK11539-MS1)	Matrix Spike	*Source sample: 21K0456-08 (008_LB-02_8-10) Prepared: 11/10/2021 Analyzed: 11/11/2021									
2-Methylnaphthalene	0.541	0.0919	mg/kg dry	0.918	ND	58.9	10-147				
Acenaphthene	0.527	0.0919	"	0.918	ND	57.4	10-146				
Acenaphthylene	0.527	0.0919	"	0.918	ND	57.4	10-134				
Anthracene	0.525	0.0919	"	0.918	ND	57.2	10-142				
Benzo(a)anthracene	0.526	0.0919	"	0.918	ND	57.3	10-158				
Benzo(a)pyrene	0.539	0.0919	"	0.918	ND	58.7	10-180				
Benzo(b)fluoranthene	0.519	0.0919	"	0.918	ND	56.5	10-200				
Benzo(g,h,i)perylene	0.542	0.0919	"	0.918	ND	59.0	10-138				
Benzo(k)fluoranthene	0.502	0.0919	"	0.918	ND	54.7	10-197				
Chrysene	0.499	0.0919	"	0.918	ND	54.4	10-156				
Dibenzo(a,h)anthracene	0.533	0.0919	"	0.918	ND	58.0	10-137				
Fluoranthene	0.479	0.0919	"	0.918	ND	52.2	10-160				
Fluorene	0.514	0.0919	"	0.918	ND	56.0	10-157				
Indeno(1,2,3-cd)pyrene	0.519	0.0919	"	0.918	ND	56.6	10-144				
Naphthalene	0.567	0.0919	"	0.918	ND	61.8	10-141				
Phenanthrene	0.496	0.0919	"	0.918	ND	54.0	10-148				
Pyrene	0.518	0.0919	"	0.918	ND	56.4	10-165				
Surrogate: SURR: Nitrobenzene-d5	0.726		"	0.918		79.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.587		"	0.918		63.9	21-113				
Surrogate: SURR: Terphenyl-d14	0.530		"	0.918		57.8	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11539 - EPA 3546 SVOA

Matrix Spike Dup (BK11539-1) Matrix Spike Dup Source sample: 21K0456-08 (008_LB-02_8-10) Prepared: 11/10/2021 Analyzed: 11/11/2021

2-Methylnaphthalene	0.567	0.0919	mg/kg dry	0.918	ND	61.8	10-147		4.77	30	
Acenaphthene	0.556	0.0919	"	0.918	ND	60.6	10-146		5.43	30	
Acenaphthylene	0.564	0.0919	"	0.918	ND	61.4	10-134		6.87	30	
Anthracene	0.559	0.0919	"	0.918	ND	60.9	10-142		6.23	30	
Benzo(a)anthracene	0.553	0.0919	"	0.918	ND	60.2	10-158		5.04	30	
Benzo(a)pyrene	0.588	0.0919	"	0.918	ND	64.0	10-180		8.60	30	
Benzo(b)fluoranthene	0.551	0.0919	"	0.918	ND	60.0	10-200		6.04	30	
Benzo(g,h,i)perylene	0.585	0.0919	"	0.918	ND	63.7	10-138		7.56	30	
Benzo(k)fluoranthene	0.535	0.0919	"	0.918	ND	58.3	10-197		6.37	30	
Chrysene	0.527	0.0919	"	0.918	ND	57.4	10-156		5.44	30	
Dibenzo(a,h)anthracene	0.579	0.0919	"	0.918	ND	63.0	10-137		8.33	30	
Fluoranthene	0.520	0.0919	"	0.918	ND	56.6	10-160		8.24	30	
Fluorene	0.530	0.0919	"	0.918	ND	57.8	10-157		3.09	30	
Indeno(1,2,3-cd)pyrene	0.519	0.0919	"	0.918	ND	56.5	10-144		0.142	30	
Naphthalene	0.599	0.0919	"	0.918	ND	65.2	10-141		5.42	30	
Phenanthrene	0.533	0.0919	"	0.918	ND	58.1	10-148		7.28	30	
Pyrene	0.555	0.0919	"	0.918	ND	60.5	10-165		6.98	30	
Surrogate: SURR: Nitrobenzene-d5	0.777		"	0.918		84.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.621		"	0.918		67.6	21-113				
Surrogate: SURR: Terphenyl-d14	0.561		"	0.918		61.1	24-116				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11502 - EPA 3550C

Blank (BK11502-BLK2)		Blank		Prepared: 11/10/2021 Analyzed: 11/11/2021							
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	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0425</i>		<i>"</i>	<i>0.0664</i>		<i>64.0</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0306</i>		<i>"</i>	<i>0.0664</i>		<i>46.0</i>	<i>30-120</i>				

LCS (BK11502-BS2)		LCS		Prepared: 11/10/2021 Analyzed: 11/11/2021							
Aroclor 1016	0.192	0.0166	mg/kg wet	0.332		57.7	40-130				
Aroclor 1260	0.193	0.0166	"	0.332		58.0	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0385</i>		<i>"</i>	<i>0.0664</i>		<i>58.0</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0266</i>		<i>"</i>	<i>0.0664</i>		<i>40.0</i>	<i>30-120</i>				

Batch Y1K1049 - BK11613

Aroclor Reference (Y1K1049- Aroclor Reference)		Prepared & Analyzed: 11/10/2021									
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.187</i>		<i>ug/mL</i>	<i>0.200</i>		<i>93.5</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.166</i>		<i>"</i>	<i>0.200</i>		<i>83.0</i>					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11560 - EPA 3050B

Blank (BK11560-BLK1) Blank Prepared: 11/10/2021 Analyzed: 11/11/2021

Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								

Duplicate (BK11560-DUP1) Duplicate Prepared: 11/10/2021 Analyzed: 11/11/2021
 *Source sample: 21K0456-12 (012_LB-06_6-8)

Arsenic	ND	1.70	mg/kg dry		ND						35
Barium	157	2.83	"		144				8.88		35
Beryllium	ND	0.057	"		ND						35
Cadmium	0.341	0.340	"		0.383				11.5		35
Chromium	38.6	0.566	"		41.2				6.54		35
Copper	48.8	2.26	"		48.1				1.52		35
Lead	12.9	0.566	"		13.2				2.04		35
Manganese	264	0.566	"		282				6.43		35
Nickel	45.9	1.13	"		47.3				3.01		35
Selenium	ND	2.83	"		ND						35
Silver	1.23	0.566	"		0.928				27.8		35
Zinc	68.8	2.83	"		71.3				3.50		35

Matrix Spike (BK11560-MS1) Matrix Spike Prepared: 11/10/2021 Analyzed: 11/11/2021
 *Source sample: 21K0456-12 (012_LB-06_6-8)

Arsenic	249	1.70	mg/kg dry	226	ND	110	75-125				
Barium	407	2.83	"	226	144	116	75-125				
Beryllium	3.42	0.057	"	5.66	ND	60.5	75-125	Low Bias			
Cadmium	6.68	0.340	"	5.66	0.383	111	75-125				
Chromium	63.2	0.566	"	22.6	41.2	97.1	75-125				
Copper	78.6	2.26	"	28.3	48.1	108	75-125				
Lead	85.0	0.566	"	56.6	13.2	127	75-125	High Bias			
Manganese	389	0.566	"	56.6	282	191	75-125	High Bias			
Nickel	112	1.13	"	56.6	47.3	115	75-125				
Selenium	213	2.83	"	226	ND	94.2	75-125				
Silver	7.25	0.566	"	5.66	0.928	112	75-125				
Zinc	133	2.83	"	56.6	71.3	109	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11560 - EPA 3050B

Post Spike (BK11560-PS1)	Post Spike	*Source sample: 21K0456-12 (012_LB-06_6-8)					Prepared: 11/10/2021 Analyzed: 11/11/2021	
Arsenic	2.22		ug/mL	2.00	-0.009	111	75-125	
Barium	3.60		"	2.00	1.27	117	75-125	
Beryllium	0.029		"	0.0500	-0.029	58.8	75-125	Low Bias
Cadmium	0.059		"	0.0500	0.003	112	75-125	
Chromium	0.575		"	0.200	0.364	105	75-125	
Copper	0.695		"	0.250	0.425	108	75-125	
Lead	0.701		"	0.500	0.117	117	75-125	
Manganese	2.99		"	0.500	2.49	99.9	75-125	
Nickel	1.01		"	0.500	0.418	118	75-125	
Selenium	1.92		"	2.00	-0.130	95.9	75-125	
Silver	0.063		"	0.0500	0.008	109	75-125	
Zinc	1.18		"	0.500	0.630	110	75-125	

Reference (BK11560-SRM1)	Reference						Prepared: 11/10/2021 Analyzed: 11/11/2021	
Arsenic	161	1.50	mg/kg wet	156		103	69.9-130.1	
Barium	281	2.50	"	239		118	74.9-124.7	
Beryllium	195	0.050	"	169		115	75.1-125.4	
Cadmium	166	0.300	"	137		121	75.2-124.8	
Chromium	173	0.500	"	154		112	70.1-129.9	
Copper	59.4	2.00	"	54.9		108	74.9-125	
Lead	127	0.500	"	130		98.0	71.8-128.5	
Manganese	301	0.500	"	269		112	74-126.4	
Nickel	73.9	1.00	"	53.9		137	69.9-129.9	High Bias
Selenium	151	2.50	"	167		90.4	67.7-132.3	
Silver	32.2	0.500	"	33.6		95.9	68.5-131.3	
Zinc	158	2.50	"	158		100	70.3-129.7	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11532 - EPA 3015A

Blank (BK11532-BLK1)		Blank										Prepared: 11/10/2021 Analyzed: 11/11/2021	
Arsenic	ND	1.11	ug/L										
Barium	ND	1.11	"										
Beryllium	ND	0.333	"										
Cadmium	ND	0.556	"										
Chromium	ND	1.11	"										
Copper	ND	1.11	"										
Lead	ND	1.11	"										
Manganese	ND	1.11	"										
Nickel	ND	1.11	"										
Selenium	1.24	1.11	"										
Silver	ND	1.11	"										
Zinc	ND	1.11	"										

LCS (BK11532-BS1)		LCS										Prepared: 11/10/2021 Analyzed: 11/11/2021	
Arsenic	51.7		ug/L	50.0		103	80-120						
Barium	52.8		"	50.0		106	80-120						
Beryllium	48.8		"	50.0		97.6	80-120						
Cadmium	41.3		"	50.0		82.6	80-120						
Chromium	51.7		"	50.0		103	80-120						
Copper	50.7		"	50.0		101	80-120						
Lead	48.3		"	50.0		96.6	80-120						
Manganese	52.2		"	50.0		104	80-120						
Nickel	50.3		"	50.0		101	80-120						
Selenium	50.9		"	50.0		102	80-120						
Silver	29.2		"	50.0		58.4	80-120	Low Bias					
Zinc	61.3		"	50.0		123	80-120	High Bias					

Duplicate (BK11532-DUP1)		Duplicate										*Source sample: 21K0456-06 (006_FB_11092021)		Prepared: 11/10/2021 Analyzed: 11/11/2021	
Arsenic	ND	1.11	ug/L			ND						20			
Barium	ND	1.11	"			ND						20			
Beryllium	ND	0.333	"			ND						20			
Cadmium	ND	0.556	"			ND						20			
Chromium	ND	1.11	"			ND						20			
Copper	ND	1.11	"			ND						20			
Lead	ND	1.11	"			ND						20			
Manganese	ND	1.11	"			ND						20			
Nickel	ND	1.11	"			ND						20			
Selenium	1.59	1.11	"			ND						20			
Silver	ND	1.11	"			ND						20			
Zinc	13.4	1.11	"			15.1					12.5	20			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11532 - EPA 3015A

Matrix Spike (BK11532-MS1)	Matrix Spike	*Source sample: 21K0456-06 (006_FB_11092021)					Prepared: 11/10/2021 Analyzed: 11/11/2021				
Arsenic	49.4		ug/L	50.0	-0.232	98.8	75-125				
Barium	52.3		"	50.0	0.261	104	75-125				
Beryllium	47.3		"	50.0	-0.005	94.7	75-125				
Cadmium	41.0		"	50.0	-0.012	82.1	75-125				
Chromium	51.2		"	50.0	0.368	102	75-125				
Copper	50.0		"	50.0	0.467	99.1	75-125				
Lead	47.1		"	50.0	0.033	94.1	75-125				
Manganese	50.8		"	50.0	0.794	99.9	75-125				
Nickel	50.4		"	50.0	0.274	100	75-125				
Selenium	51.0		"	50.0	0.840	100	75-125				
Silver	56.0		"	50.0	-0.033	112	75-125				
Zinc	63.4		"	50.0	13.6	99.6	75-125				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11625 - EPA SW846-7471B											
Blank (BK11625-BLK1)	Blank										Prepared & Analyzed: 11/11/2021
Mercury	ND	0.0330	mg/kg wet								
Duplicate (BK11625-DUP1)	Duplicate *Source sample: 21K0233-15 (Duplicate)										Prepared & Analyzed: 11/11/2021
Mercury	ND	0.0416	mg/kg dry		ND						35
Matrix Spike (BK11625-MS1)	Matrix Spike *Source sample: 21K0233-15 (Matrix Spike)										Prepared & Analyzed: 11/11/2021
Mercury	0.376	0.0416	mg/kg dry	0.420	ND	89.5	75-125				
Reference (BK11625-SRM1)	Reference										Prepared & Analyzed: 11/11/2021
Mercury	13.7	1.65	mg/kg wet	15.4		89.0	64.2-150				
Batch BK11692 - EPA SW846-7471B											
Blank (BK11692-BLK1)	Blank										Prepared & Analyzed: 11/12/2021
Mercury	ND	0.0330	mg/kg wet								
Duplicate (BK11692-DUP1)	Duplicate *Source sample: 21K0298-03 (Duplicate)										Prepared & Analyzed: 11/12/2021
Mercury	ND	0.0351	mg/kg dry		ND						35
Matrix Spike (BK11692-MS1)	Matrix Spike *Source sample: 21K0298-03 (Matrix Spike)										Prepared & Analyzed: 11/12/2021
Mercury	0.360	0.0351	mg/kg dry	0.355	ND	101	75-125				
Reference (BK11692-SRM1)	Reference										Prepared & Analyzed: 11/12/2021
Mercury	15.5	1.65	mg/kg wet	15.4		101	64.2-150				
Batch BK11701 - EPA SW846-7470A											
Blank (BK11701-BLK1)	Blank										Prepared & Analyzed: 11/12/2021
Mercury	ND	0.0002	mg/L								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11701 - EPA SW846-7470A											
Blank (BK11701-BLK2)	Blank										Prepared & Analyzed: 11/12/2021
Mercury	ND	0.0002	mg/L								
LCS (BK11701-BS1)	LCS										Prepared & Analyzed: 11/12/2021
Mercury	0.0018479	0.0002	mg/L	0.00200		92.4	80-120				
LCS (BK11701-BS2)	LCS										Prepared & Analyzed: 11/12/2021
Mercury	0.0018556	0.0002	mg/L	0.00200		92.8	80-120				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11659 - EPA SW846-3060												
Blank (BK11659-BLK1)	Blank								Prepared & Analyzed: 11/12/2021			
Chromium, Hexavalent	ND	0.500	mg/kg wet									
Duplicate (BK11659-DUP1)	Duplicate	*Source sample: 21K0478-02 (Duplicate)								Prepared & Analyzed: 11/12/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet		ND					35		
Matrix Spike (BK11659-MS1)	Matrix Spike	*Source sample: 21K0478-02 (Matrix Spike)								Prepared & Analyzed: 11/12/2021		
Chromium, Hexavalent	15.2	0.500	mg/kg wet	20.0	ND	75.8	75-125					
Reference (BK11659-SRM1)	Reference								Prepared & Analyzed: 11/12/2021			
Chromium, Hexavalent	88.3		mg/L	109		81.0	30-169.7					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11601 - % Solids Prep

Duplicate (BK11601-DUP1)	Duplicate	*Source sample: 21K0488-06 (Duplicate)					Prepared & Analyzed: 11/11/2021					
% Solids	89.0	0.100	%		87.9				1.23	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21K0456-01	001_LB-08_0-2	40mL Vial with Stir Bar-Cool 4° C
21K0456-02	002_LB-08_7.5-9.5	40mL Vial with Stir Bar-Cool 4° C
21K0456-03	003_DUP-1	40mL Vial with Stir Bar-Cool 4° C
21K0456-04	004_LB-3_0-2	40mL Vial with Stir Bar-Cool 4° C
21K0456-05	005_LB-3_7-9	40mL Vial with Stir Bar-Cool 4° C
21K0456-06	006_FB_11092021	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0456-07	007_LB-02_6-8	40mL Vial with Stir Bar-Cool 4° C
21K0456-08	008_LB-02_8-10	40mL Vial with Stir Bar-Cool 4° C
21K0456-09	009_LB-01_0-1	40mL Vial with Stir Bar-Cool 4° C
21K0456-10	010_LB-01_6.5-8.5	40mL Vial with Stir Bar-Cool 4° C
21K0456-11	011_LB-06_0-2	40mL Vial with Stir Bar-Cool 4° C
21K0456-12	012_LB-06_6-8	40mL Vial with Stir Bar-Cool 4° C
21K0456-13	013_TB_11092021	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-ICV1	The recovery for this element in the Initial Calibration Verification (ICV) exceeded 110% of the expected value. Positive detections may be biased high.
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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 www.yorklab.com 800-306-YORK 800-306-9675

YOUR INFORMATION
 Company: Langan
 Address: 300 Kimball Dr. Parsippany, NJ
 Phone: 973 560 4400
 Contact: Amanda Forburg
 E-mail: aforburg@langan.com

Report To:
 Company: SPARK
 Address: SPARK
 Phone: SPARK
 Contact: SPARK
 E-mail: SPARK

Invoice To:
 Company: SPARK
 Address: SPARK
 Phone: SPARK
 Contact: SPARK
 E-mail: SPARK

YOUR PROJECT NUMBER
100963701

YOUR PROJECT NAME
1487 1st Avenue

YOUR PO#:

Matrix Codes
 S - soil / solid
 GW - groundwater
 DW - drinking water
 WW - wastewater
 O - Oil | Other

Report / EDD Type (circle selections)
 Summary Report Standard Excel EDD
 QA Report CT RCP DQAD/DUE EQUIS (Standard)
 NY ASP A Package NY SDEC EQUIS
 NY ASP B Package NJDEP SRP HazSite Deliverables
 NJDKQP Other:

YORK Reg. Comp.
 Compared to the following Regulation(s): (please fill in)

Sample Identification
 Samples Collected by: (print AND sign your name)
 Molly Matter
 Molly Matter

Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
S	11/9/21 0915	VOCs, PAHs, Metals (DEC List)	19155, 4004
S	11/9/21 0920		
S	11/9/21 0925		
S	11/9/21 1050		
S	11/9/21 1055		
AQ	11/9/21 0830		2amber, 1plastic, 3vial
S	11/9/21 0950		
S	11/9/21 6955		
S	11/9/21 1230		
S	11/9/21 1235		

Comments:
2 DAY TAT

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

Turn-Around Time
 RUSH - Next Day
 RUSH - Two Day
 RUSH - Three Day
 RUSH - Four Day
 Standard (5-7 Day)

Special Instruction
 Field Filtered
 Lab to Filter

1. Samples Relinquished by / Company
 Date/Time: 11/9/21 1630
 Samples Relinquished by / Company: Tomp / Job

2. Samples Relinquished by / Company
 Date/Time: 11/9/21 2123
 Samples Relinquished by / Company: Francisco Yobis

3. Samples Received by / Company
 Date/Time: 11/9/21 2123
 Samples Received in LAB by: 7 gals 11/9/21 2123

4. Samples Received by / Company
 Date/Time: 11/9/21 2123
 Samples Received in LAB by: 7 gals 11/9/21 2123

Temperature
 Degrees C: 3.2



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

clientservices@yorklab.com

www.yorklab.com

800-306-YORK

800-306-9675

YORK Project No.

21K0456

Page

2 of 2

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company Langan	Company Langan	Company Langan	Company Langan	Company Langan	Company Langan	100903701	RUSH - Next Day	RUSH - Next Day	
Address 300 Kimball Dr.	Address 300 Kimball Dr.	Address 300 Kimball Dr.	Address 300 Kimball Dr.	Address 300 Kimball Dr.	Address 300 Kimball Dr.		RUSH - Two Day	RUSH - Two Day	
Phone Parsippany, NJ	Phone Parsippany, NJ	Phone Parsippany, NJ	Phone Parsippany, NJ	Phone Parsippany, NJ	Phone Parsippany, NJ		RUSH - Three Day	RUSH - Three Day	
Phone 973-560-4900	Phone 973-560-4900	Phone 973-560-4900	Phone 973-560-4900	Phone 973-560-4900	Phone 973-560-4900		RUSH - Four Day	RUSH - Four Day	
Contact Amanda Fosbury	Contact Amanda Fosbury	Contact Amanda Fosbury	Contact Amanda Fosbury	Contact Amanda Fosbury	Contact Amanda Fosbury		Standard (5-7 Day)	Standard (5-7 Day)	
E-mail afosbury@langan.com	E-mail afosbury@langan.com	E-mail afosbury@langan.com	E-mail afosbury@langan.com	E-mail afosbury@langan.com	E-mail afosbury@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.

molly mattern
molly mattern

Report / EDD Type (circle selections)		YORK Reg. Comp.	
Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
QA Report	CT RCP DQ/DUE	Standard	
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS	
NY ASP B Package	NJDEP SRP HazSite		
	NJDKQP	Other:	

Sample Collected by: (print AND sign your name)	Sample Identification	Matrix	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
	011-LB-06-0-2	S	S	11/9/21 1345	VOCS, PAHs, Metals (DEC List), PCBs	2 glass, 4 vials
	012-LB-06-0-8	S	S	11/9/21 1350		
	013-TB-11092021	AQ	AQ	11/9/21	VOCS	2 vials
	014-LB-07-	S	S	11/9/21	VOCS, PAHs, Metals (DEC List)	2 glass, 4 vials
	015-LB-07-	S	S	11/9/21		2 glass, 4 vials

Comments:
2-Day TAT

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

Samples iced/chilled at time of lab pickup? circle Yes or No		Date/Time	
Yes	No	11/9/21 1630	11/9/21 1900
1. Samples Relinquished by / Company		Date/Time	
TOMA / York		11/9/21 1630	
3. Samples Relinquished by / Company		Date/Time	
Francisco York		11/9/21 2123	
4. Samples Relinquished by / Company		Date/Time	
7ghl 11/9/21 2123		11/9/21 1900	

Samples Received in LAB by: 7ghl 11/9/21 2123
Temperature: 3.2 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: 11/12/2021

Client Project ID: 100963701

York Project (SDG) No.: 21K0521



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/12/2021
Client Project ID: 100963701
York Project (SDG) No.: 21K0521

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 November 10, 2021 and listed below. The project was identified as your project: **100963701**.

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>
21K0521-01	020_MW-03	Water	11/10/2021	11/10/2021
21K0521-02	021_GWDUP	Water	11/10/2021	11/10/2021
21K0521-03	022_MW04	Water	11/10/2021	11/10/2021
21K0521-04	023_MW02	Water	11/10/2021	11/10/2021
21K0521-05	024_MW01	Water	11/10/2021	11/10/2021
21K0521-06	030_GWFB	Water	11/10/2021	11/10/2021
21K0521-07	032_GWTB	Water	11/10/2021	11/10/2021

General Notes for York Project (SDG) No.: 21K0521

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: 11/12/2021





Sample Information

Client Sample ID: 020_MW-03

York Sample ID: 21K0521-01

York Project (SDG) No.
21K0521

Client Project ID
100963701

Matrix
Water

Collection Date/Time
November 10, 2021 12:10 pm

Date Received
11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 16:45	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG



Sample Information

Client Sample ID: 020_MW-03

York Sample ID: 21K0521-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG



Sample Information

Client Sample ID: 020_MW-03

York Sample ID: 21K0521-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	6.79		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG



Sample Information

Client Sample ID: 020_MW-03

York Sample ID: 21K0521-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	3.87		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
79-01-6	Trichloroethylene	3.59		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 16:45	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 16:45	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.0 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.5 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.7 %			79-122						

Semi-Volatiles, PAH Target List

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
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH



Sample Information

Client Sample ID: 020_MW-03

York Sample ID: 21K0521-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:10 pm

11/10/2021

Semi-Volatiles, PAH Target List

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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:51	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.6 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.9 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	52.1 %			30.7-106						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-39-3	Barium	36.3		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-47-3	Chromium	1.18		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-50-8	Copper	5.68		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM



Sample Information

Client Sample ID: 020_MW-03

York Sample ID: 21K0521-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:10 pm

11/10/2021

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	2.52		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7439-96-5	Manganese	2950		ug/L	11.1	10	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/12/2021 14:43	EM
7440-02-0	Nickel	16.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7782-49-2	Selenium	2.48		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM
7440-66-6	Zinc	27.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:35	EM

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		ug/L	0.2	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 14:29	11/11/2021 14:29	MO/AD



Sample Information

Client Sample ID: 021_GWDUP

York Sample ID: 21K0521-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:01 am

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 17:12	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG





Sample Information

Client Sample ID: 021_GWDUP

York Sample ID: 21K0521-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:01 am

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 26 rows of chemical analysis data.



Sample Information

Client Sample ID: 021_GWDUP

York Sample ID: 21K0521-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:01 am

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	6.33		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG



Sample Information

Client Sample ID: 021_GWDUP

York Sample ID: 21K0521-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:01 am

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	3.45		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
79-01-6	Trichloroethylene	3.24		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:12	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 17:12	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.6 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.9 %			79-122						

Semi-Volatiles, PAH Target List

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
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:57	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH



Sample Information

Client Sample ID: 021_GWDUP

York Sample ID: 21K0521-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 12:01 am

11/10/2021

Semi-Volatiles, PAH Target List

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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:21	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.4 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.2 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.2 %			30.7-106						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-39-3	Barium	35.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-50-8	Copper	5.06		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM





Sample Information

Client Sample ID: 021_GWDUP

York Sample ID: 21K0521-02

York Project (SDG) No.
21K0521

Client Project ID
100963701

Matrix
Water

Collection Date/Time
November 10, 2021 12:01 am

Date Received
11/10/2021

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	2.27		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7439-96-5	Manganese	2980		ug/L	11.1	10	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/12/2021 14:47	EM
7440-02-0	Nickel	15.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7782-49-2	Selenium	2.59		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM
7440-66-6	Zinc	25.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:38	EM

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		ug/L	0.2	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 14:29	11/11/2021 14:29	MO/AD



Sample Information

Client Sample ID: 022_MW04

York Sample ID: 21K0521-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 3:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-35-4	1,1-Dichloroethylene	0.320	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 17:39	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG



Sample Information

Client Sample ID: 022_MW04

York Sample ID: 21K0521-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 3:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
67-64-1	Acetone	1.39	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG



Sample Information

Client Sample ID: 022_MW04

York Sample ID: 21K0521-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 3:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	61.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG



Sample Information

Client Sample ID: 022_MW04

York Sample ID: 21K0521-03

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 3:10 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	124		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
156-60-5	trans-1,2-Dichloroethylene	0.390	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
79-01-6	Trichloroethylene	60.6		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
75-01-4	Vinyl Chloride	1.03		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 17:39	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 17:39	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.5 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.6 %			79-122						

Semi-Volatiles, PAH Target List

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
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 13:29	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH



Sample Information

Client Sample ID: 022_MW04

York Sample ID: 21K0521-03

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 3:10 pm	<u>Date Received</u> 11/10/2021
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Semi-Volatiles, PAH Target List

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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 11:55	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.5 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	83.6 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.2 %			30.7-106						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-39-3	Barium	61.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-47-3	Chromium	8.36		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-50-8	Copper	15.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM



Sample Information

Client Sample ID: 022_MW04

York Sample ID: 21K0521-03

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 3:10 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	14.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7439-96-5	Manganese	4990		ug/L	27.8	25	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/12/2021 14:50	EM
7440-02-0	Nickel	113		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7782-49-2	Selenium	4.00		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM
7440-66-6	Zinc	63.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:41	EM

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		ug/L	0.2	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 14:29	11/11/2021 14:29	MO/AD



Sample Information

Client Sample ID: 023_MW02

York Sample ID: 21K0521-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 3:40 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 18:06	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
95-50-1	1,2-Dichlorobenzene	0.290	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG





Sample Information

Client Sample ID: 023_MW02

York Sample ID: 21K0521-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 3:40 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
78-93-3	2-Butanone	2.37	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
67-64-1	Acetone	5.57		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
71-43-2	Benzene	0.380	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG



Sample Information

Client Sample ID: 023_MW02

York Sample ID: 21K0521-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 3:40 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	9.32		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
135-98-8	sec-Butylbenzene	0.260	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-65-0	tert-Butyl alcohol (TBA)	3.65		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG



Sample Information

Client Sample ID: 023_MW02

York Sample ID: 21K0521-04

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 3:40 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	2660		ug/L	10.0	25.0	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/12/2021 06:54	11/12/2021 14:13	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
156-60-5	trans-1,2-Dichloroethylene	0.210	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
79-01-6	Trichloroethylene	209		ug/L	10.0	25.0	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/12/2021 06:54	11/12/2021 14:13	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:06	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 18:06	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.8 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.9 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.3 %			79-122						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	5.54		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-39-3	Barium	137		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-41-7	Beryllium	0.335		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-43-9	Cadmium	1.79		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-47-3	Chromium	61.8		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-50-8	Copper	57.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7439-92-1	Lead	41.0		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM



Sample Information

Client Sample ID: 023_MW02

York Sample ID: 21K0521-04

York Project (SDG) No.
21K0521

Client Project ID
100963701

Matrix
Water

Collection Date/Time
November 10, 2021 3:40 pm

Date Received
11/10/2021

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	25100		ug/L	111	100	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/12/2021 14:53	EM
7440-02-0	Nickel	156		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7782-49-2	Selenium	8.81		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM
7440-66-6	Zinc	138		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:44	EM

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		ug/L	0.2	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 14:29	11/11/2021 14:29	MO/AD



Sample Information

Client Sample ID: 024_MW01

York Sample ID: 21K0521-05

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 18:33	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG



Sample Information

Client Sample ID: 024_MW01

York Sample ID: 21K0521-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 4:30 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
78-93-3	2-Butanone	0.800	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
67-64-1	Acetone	4.42		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG



Sample Information

Client Sample ID: 024_MW01

York Sample ID: 21K0521-05

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-65-0	tert-Butyl alcohol (TBA)	2.70		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG



Sample Information

Client Sample ID: 024_MW01

York Sample ID: 21K0521-05

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	1.48		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 18:33	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 18:33	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.1 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.0 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.8 %			79-122						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	1.75		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-39-3	Barium	97.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-47-3	Chromium	16.9		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-50-8	Copper	34.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7439-92-1	Lead	25.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM



Sample Information

Client Sample ID: 024_MW01

York Sample ID: 21K0521-05

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:30 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	1690		ug/L	11.1	10	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/12/2021 14:56	EM
7440-02-0	Nickel	66.1		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7782-49-2	Selenium	8.17		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM
7440-66-6	Zinc	89.1		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:47	EM

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		ug/L	0.2	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 14:29	11/11/2021 14:29	MO/AD



Sample Information

Client Sample ID: 030_GWFB

York Sample ID: 21K0521-06

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 2:10 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 13:36	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG



Sample Information

Client Sample ID: 030_GWFB

York Sample ID: 21K0521-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 2:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG



Sample Information

Client Sample ID: 030_GWFB

York Sample ID: 21K0521-06

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 2:10 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-09-2	Methylene chloride	1.82	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG



Sample Information

Client Sample ID: 030_GWFB

York Sample ID: 21K0521-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 2:10 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:36	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 13:36	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.6 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.5 %	79-122								

Semi-Volatiles, PAH Target List

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
91-57-6	2-Methylnaphthalene	ND		ug/L	2.83	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 14:01	KH
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH



Sample Information

Client Sample ID: 030_GWFB

York Sample ID: 21K0521-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 2:10 pm

11/10/2021

Semi-Volatiles, PAH Target List

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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 12:27	11/12/2021 12:30	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	89.4 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.4 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	96.0 %			30.7-106						

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-39-3	Barium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-50-8	Copper	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM



Sample Information

Client Sample ID: 030_GWFB

York Sample ID: 21K0521-06

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 2:10 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7439-96-5	Manganese	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-02-0	Nickel	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7782-49-2	Selenium	1.44		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM
7440-66-6	Zinc	13.1		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 09:17	11/11/2021 17:57	EM

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		ug/L	0.2	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 14:29	11/11/2021 14:29	MO/AD



Sample Information

Client Sample ID: 032_GWTB

York Sample ID: 21K0521-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 4:25 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 14:03	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG





Sample Information

Client Sample ID: 032_GWTB

York Sample ID: 21K0521-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 4:25 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG



Sample Information

Client Sample ID: 032_GWTB

York Sample ID: 21K0521-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0521

100963701

Water

November 10, 2021 4:25 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG



Sample Information

Client Sample ID: 032_GWTB

York Sample ID: 21K0521-07

<u>York Project (SDG) No.</u> 21K0521	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:25 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 14:03	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 14:03	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.2 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	95.9 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.0 %	79-122



Analytical Batch Summary

Batch ID: BK11588 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21K0521-01	020_MW-03	11/11/21
21K0521-01RE1	020_MW-03	11/11/21
21K0521-02	021_GWDUP	11/11/21
21K0521-02RE1	021_GWDUP	11/11/21
21K0521-03	022_MW04	11/11/21
21K0521-03RE1	022_MW04	11/11/21
21K0521-04	023_MW02	11/11/21
21K0521-04RE1	023_MW02	11/11/21
21K0521-05	024_MW01	11/11/21
21K0521-05RE1	024_MW01	11/11/21
21K0521-06	030_GWFB	11/11/21
BK11588-BLK1	Blank	11/11/21
BK11588-BS1	LCS	11/11/21
BK11588-DUP1	Duplicate	11/11/21
BK11588-MS1	Matrix Spike	11/11/21

Batch ID: BK11609 **Preparation Method:** EPA 3510C **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
21K0521-01	020_MW-03	11/11/21
21K0521-02	021_GWDUP	11/11/21
21K0521-03	022_MW04	11/11/21
21K0521-06	030_GWFB	11/11/21
BK11609-BLK1	Blank	11/11/21
BK11609-BS1	LCS	11/11/21
BK11609-BSD1	LCS Dup	11/11/21

Batch ID: BK11615 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
21K0521-01	020_MW-03	11/11/21
21K0521-02	021_GWDUP	11/11/21
21K0521-03	022_MW04	11/11/21
21K0521-04	023_MW02	11/11/21
21K0521-05	024_MW01	11/11/21
21K0521-06	030_GWFB	11/11/21
21K0521-07	032_GWTB	11/11/21
BK11615-BLK1	Blank	11/11/21
BK11615-BS1	LCS	11/11/21
BK11615-BSD1	LCS Dup	11/11/21

Batch ID: BK11618 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
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21K0521-01	020_MW-03	11/11/21
21K0521-02	021_GWDUP	11/11/21
21K0521-03	022_MW04	11/11/21
21K0521-04	023_MW02	11/11/21
21K0521-05	024_MW01	11/11/21
21K0521-06	030_GWFB	11/11/21
BK11618-BLK1	Blank	11/11/21
BK11618-BLK2	Blank	11/11/21
BK11618-BS1	LCS	11/11/21
BK11618-BS2	LCS	11/11/21

Batch ID: BK11702 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
21K0521-04RE1	023_MW02	11/12/21
BK11702-BLK1	Blank	11/12/21
BK11702-BS1	LCS	11/12/21
BK11702-BSD1	LCS Dup	11/12/21



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11615 - EPA 5030B

Blank (BK11615-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11615 - EPA 5030B

Blank (BK11615-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	9.86		"	10.0		98.6	69-130				
Surrogate: SURRE: Toluene-d8	9.59		"	10.0		95.9	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
Batch BK11615 - EPA 5030B												
LCS (BK11615-BS1)	LCS	Prepared & Analyzed: 11/11/2021										
1,1,1,2-Tetrachloroethane	8.95		ug/L	10.0		89.5		82-126				
1,1,1-Trichloroethane	9.09		"	10.0		90.9		78-136				
1,1,2,2-Tetrachloroethane	9.10		"	10.0		91.0		76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.72		"	10.0		97.2		54-165				
1,1,2-Trichloroethane	8.69		"	10.0		86.9		82-123				
1,1-Dichloroethane	9.49		"	10.0		94.9		82-129				
1,1-Dichloroethylene	9.60		"	10.0		96.0		68-138				
1,1-Dichloropropylene	9.17		"	10.0		91.7		83-133				
1,2,3-Trichlorobenzene	8.06		"	10.0		80.6		76-136				
1,2,3-Trichloropropane	8.83		"	10.0		88.3		77-128				
1,2,4-Trichlorobenzene	8.22		"	10.0		82.2		76-137				
1,2,4-Trimethylbenzene	9.47		"	10.0		94.7		82-132				
1,2-Dibromo-3-chloropropane	7.98		"	10.0		79.8		45-147				
1,2-Dibromoethane	8.71		"	10.0		87.1		83-124				
1,2-Dichlorobenzene	9.15		"	10.0		91.5		79-123				
1,2-Dichloroethane	9.05		"	10.0		90.5		73-132				
1,2-Dichloropropane	9.45		"	10.0		94.5		78-126				
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2		80-131				
1,3-Dichlorobenzene	8.89		"	10.0		88.9		86-122				
1,3-Dichloropropane	8.70		"	10.0		87.0		81-125				
1,4-Dichlorobenzene	9.06		"	10.0		90.6		85-124				
1,4-Dioxane	491		"	210		234		10-349				
2,2-Dichloropropane	9.99		"	10.0		99.9		56-150				
2-Butanone	9.65		"	10.0		96.5		49-152				
2-Chlorotoluene	9.45		"	10.0		94.5		79-130				
2-Hexanone	8.49		"	10.0		84.9		51-146				
4-Chlorotoluene	9.32		"	10.0		93.2		79-128				
4-Methyl-2-pentanone	8.61		"	10.0		86.1		57-145				
Acetone	9.01		"	10.0		90.1		14-150				
Acrolein	31.3		"	10.0		313		10-153	High Bias			
Acrylonitrile	9.48		"	10.0		94.8		51-150				
Benzene	10.1		"	10.0		101		85-126				
Bromobenzene	9.12		"	10.0		91.2		78-129				
Bromochloromethane	9.81		"	10.0		98.1		77-128				
Bromodichloromethane	8.68		"	10.0		86.8		79-128				
Bromoform	8.26		"	10.0		82.6		78-133				
Bromomethane	5.43		"	10.0		54.3		43-168				
Carbon disulfide	10.1		"	10.0		101		68-146				
Carbon tetrachloride	9.11		"	10.0		91.1		77-141				
Chlorobenzene	9.37		"	10.0		93.7		88-120				
Chloroethane	11.2		"	10.0		112		65-136				
Chloroform	9.50		"	10.0		95.0		82-128				
Chloromethane	9.76		"	10.0		97.6		43-155				
cis-1,2-Dichloroethylene	9.67		"	10.0		96.7		83-129				
cis-1,3-Dichloropropylene	8.82		"	10.0		88.2		80-131				
Cyclohexane	7.08		"	10.0		70.8		63-149				
Dibromochloromethane	8.65		"	10.0		86.5		80-130				
Dibromomethane	8.67		"	10.0		86.7		72-134				
Dichlorodifluoromethane	11.5		"	10.0		115		44-144				
Ethyl Benzene	9.91		"	10.0		99.1		80-131				
Hexachlorobutadiene	7.42		"	10.0		74.2		67-146				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11615 - EPA 5030B											
LCS (BK11615-BS1)	LCS	Prepared & Analyzed: 11/11/2021									
Isopropylbenzene	9.50		ug/L	10.0		95.0	76-140				
Methyl acetate	9.16		"	10.0		91.6	51-139				
Methyl tert-butyl ether (MTBE)	9.18		"	10.0		91.8	76-135				
Methylcyclohexane	9.07		"	10.0		90.7	72-143				
Methylene chloride	9.74		"	10.0		97.4	55-137				
n-Butylbenzene	9.61		"	10.0		96.1	79-132				
n-Propylbenzene	9.57		"	10.0		95.7	78-133				
o-Xylene	9.68		"	10.0		96.8	78-130				
p- & m- Xylenes	19.9		"	20.0		99.6	77-133				
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136				
sec-Butylbenzene	9.70		"	10.0		97.0	79-137				
Styrene	9.69		"	10.0		96.9	67-132				
tert-Butyl alcohol (TBA)	42.8		"	50.0		85.7	25-162				
tert-Butylbenzene	7.66		"	10.0		76.6	77-138	Low Bias			
Tetrachloroethylene	8.94		"	10.0		89.4	82-131				
Toluene	9.40		"	10.0		94.0	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	8.65		"	10.0		86.5	78-131				
Trichloroethylene	8.94		"	10.0		89.4	82-128				
Trichlorofluoromethane	9.74		"	10.0		97.4	67-139				
Vinyl acetate	7.55		"	10.0		75.5	21-90				
Vinyl Chloride	11.0		"	10.0		110	58-145				
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	9.45		"	10.0		94.5	69-130				
<i>Surrogate: Surr: Toluene-d8</i>	9.66		"	10.0		96.6	81-117				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	9.99		"	10.0		99.9	79-122				
LCS Dup (BK11615-BSD1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0		91.8	82-126		2.54	30	
1,1,1-Trichloroethane	9.35		"	10.0		93.5	78-136		2.82	30	
1,1,2,2-Tetrachloroethane	9.25		"	10.0		92.5	76-129		1.63	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		4.23	30	
1,1,2-Trichloroethane	9.13		"	10.0		91.3	82-123		4.94	30	
1,1-Dichloroethane	9.69		"	10.0		96.9	82-129		2.09	30	
1,1-Dichloroethylene	9.94		"	10.0		99.4	68-138		3.48	30	
1,1-Dichloropropylene	9.46		"	10.0		94.6	83-133		3.11	30	
1,2,3-Trichlorobenzene	8.44		"	10.0		84.4	76-136		4.61	30	
1,2,3-Trichloropropane	9.00		"	10.0		90.0	77-128		1.91	30	
1,2,4-Trichlorobenzene	8.53		"	10.0		85.3	76-137		3.70	30	
1,2,4-Trimethylbenzene	9.31		"	10.0		93.1	82-132		1.70	30	
1,2-Dibromo-3-chloropropane	7.46		"	10.0		74.6	45-147		6.74	30	
1,2-Dibromoethane	9.25		"	10.0		92.5	83-124		6.01	30	
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123		0.219	30	
1,2-Dichloroethane	9.48		"	10.0		94.8	73-132		4.64	30	
1,2-Dichloropropane	9.76		"	10.0		97.6	78-126		3.23	30	
1,3,5-Trimethylbenzene	9.46		"	10.0		94.6	80-131		1.68	30	
1,3-Dichlorobenzene	8.81		"	10.0		88.1	86-122		0.904	30	
1,3-Dichloropropane	9.18		"	10.0		91.8	81-125		5.37	30	
1,4-Dichlorobenzene	8.89		"	10.0		88.9	85-124		1.89	30	
1,4-Dioxane	525		"	210		250	10-349		6.67	30	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		3.15	30	
2-Butanone	10.2		"	10.0		102	49-152		5.93	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11615 - EPA 5030B											
LCS Dup (BK11615-bsd1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
2-Chlorotoluene	9.23		ug/L	10.0		92.3	79-130		2.36	30	
2-Hexanone	9.29		"	10.0		92.9	51-146		9.00	30	
4-Chlorotoluene	9.03		"	10.0		90.3	79-128		3.16	30	
4-Methyl-2-pentanone	9.26		"	10.0		92.6	57-145		7.27	30	
Acetone	9.74		"	10.0		97.4	14-150		7.79	30	
Acrolein	33.8		"	10.0		338	10-153	High Bias	7.71	30	
Acrylonitrile	10.7		"	10.0		107	51-150		11.9	30	
Benzene	10.4		"	10.0		104	85-126		2.92	30	
Bromobenzene	8.95		"	10.0		89.5	78-129		1.88	30	
Bromochloromethane	10.1		"	10.0		101	77-128		2.62	30	
Bromodichloromethane	8.98		"	10.0		89.8	79-128		3.40	30	
Bromoform	8.79		"	10.0		87.9	78-133		6.22	30	
Bromomethane	5.53		"	10.0		55.3	43-168		1.82	30	
Carbon disulfide	10.3		"	10.0		103	68-146		2.25	30	
Carbon tetrachloride	9.45		"	10.0		94.5	77-141		3.66	30	
Chlorobenzene	9.61		"	10.0		96.1	88-120		2.53	30	
Chloroethane	11.5		"	10.0		115	65-136		2.47	30	
Chloroform	9.79		"	10.0		97.9	82-128		3.01	30	
Chloromethane	9.73		"	10.0		97.3	43-155		0.308	30	
cis-1,2-Dichloroethylene	9.98		"	10.0		99.8	83-129		3.16	30	
cis-1,3-Dichloropropylene	9.16		"	10.0		91.6	80-131		3.78	30	
Cyclohexane	7.41		"	10.0		74.1	63-149		4.55	30	
Dibromochloromethane	9.10		"	10.0		91.0	80-130		5.07	30	
Dibromomethane	8.90		"	10.0		89.0	72-134		2.62	30	
Dichlorodifluoromethane	11.8		"	10.0		118	44-144		2.32	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		1.90	30	
Hexachlorobutadiene	8.02		"	10.0		80.2	67-146		7.77	30	
Isopropylbenzene	9.29		"	10.0		92.9	76-140		2.24	30	
Methyl acetate	9.60		"	10.0		96.0	51-139		4.69	30	
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	76-135		3.11	30	
Methylcyclohexane	9.48		"	10.0		94.8	72-143		4.42	30	
Methylene chloride	10.1		"	10.0		101	55-137		3.63	30	
n-Butylbenzene	9.75		"	10.0		97.5	79-132		1.45	30	
n-Propylbenzene	9.40		"	10.0		94.0	78-133		1.79	30	
o-Xylene	9.89		"	10.0		98.9	78-130		2.15	30	
p- & m- Xylenes	20.5		"	20.0		102	77-133		2.72	30	
p-Isopropyltoluene	9.37		"	10.0		93.7	81-136		0.956	30	
sec-Butylbenzene	9.63		"	10.0		96.3	79-137		0.724	30	
Styrene	9.92		"	10.0		99.2	67-132		2.35	30	
tert-Butyl alcohol (TBA)	47.2		"	50.0		94.4	25-162		9.71	30	
tert-Butylbenzene	7.53		"	10.0		75.3	77-138	Low Bias	1.71	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		2.21	30	
Toluene	9.67		"	10.0		96.7	80-127		2.83	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		2.54	30	
trans-1,3-Dichloropropylene	8.97		"	10.0		89.7	78-131		3.63	30	
Trichloroethylene	9.22		"	10.0		92.2	82-128		3.08	30	
Trichlorofluoromethane	9.81		"	10.0		98.1	67-139		0.716	30	
Vinyl acetate	8.26		"	10.0		82.6	21-90		8.98	30	
Vinyl Chloride	11.2		"	10.0		112	58-145		2.16	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	9.64		"	10.0		96.4	69-130				
Surrogate: Surr: Toluene-d8	9.62		"	10.0		96.2	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11615 - EPA 5030B

LCS Dup (BK11615-BSD1) LCS Dup

Prepared & Analyzed: 11/11/2021

Surrogate: *SURR: p-Bromofluorobenzene* 9.49 ug/L 10.0 94.9 79-122

Batch BK11702 - EPA 5030B

Blank (BK11702-BLK1) Blank

Prepared & Analyzed: 11/12/2021

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	0.420	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11702 - EPA 5030B

Blank (BK11702-BLK1)	Blank	Prepared & Analyzed: 11/12/2021									
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	9.77		"	10.0		97.7	69-130				
Surrogate: SURRE: Toluene-d8	9.61		"	10.0		96.1	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BK11702 - EPA 5030B											
LCS (BK11702-BS1)	LCS									Prepared & Analyzed: 11/12/2021	
1,1,1,2-Tetrachloroethane	9.20		ug/L	10.0		92.0		82-126			
1,1,1-Trichloroethane	9.33		"	10.0		93.3		78-136			
1,1,2,2-Tetrachloroethane	9.34		"	10.0		93.4		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105		54-165			
1,1,2-Trichloroethane	8.84		"	10.0		88.4		82-123			
1,1-Dichloroethane	9.84		"	10.0		98.4		82-129			
1,1-Dichloroethylene	10.1		"	10.0		101		68-138			
1,1-Dichloropropylene	9.69		"	10.0		96.9		83-133			
1,2,3-Trichlorobenzene	7.99		"	10.0		79.9		76-136			
1,2,3-Trichloropropane	8.93		"	10.0		89.3		77-128			
1,2,4-Trichlorobenzene	8.23		"	10.0		82.3		76-137			
1,2,4-Trimethylbenzene	9.81		"	10.0		98.1		82-132			
1,2-Dibromo-3-chloropropane	7.22		"	10.0		72.2		45-147			
1,2-Dibromoethane	8.89		"	10.0		88.9		83-124			
1,2-Dichlorobenzene	9.35		"	10.0		93.5		79-123			
1,2-Dichloroethane	9.18		"	10.0		91.8		73-132			
1,2-Dichloropropane	9.85		"	10.0		98.5		78-126			
1,3,5-Trimethylbenzene	10.0		"	10.0		100		80-131			
1,3-Dichlorobenzene	9.20		"	10.0		92.0		86-122			
1,3-Dichloropropane	8.99		"	10.0		89.9		81-125			
1,4-Dichlorobenzene	9.31		"	10.0		93.1		85-124			
1,4-Dioxane	509		"	210		242		10-349			
2,2-Dichloropropane	10.2		"	10.0		102		56-150			
2-Butanone	9.59		"	10.0		95.9		49-152			
2-Chlorotoluene	9.76		"	10.0		97.6		79-130			
2-Hexanone	8.62		"	10.0		86.2		51-146			
4-Chlorotoluene	9.63		"	10.0		96.3		79-128			
4-Methyl-2-pentanone	8.75		"	10.0		87.5		57-145			
Acetone	9.32		"	10.0		93.2		14-150			
Acrolein	33.1		"	10.0		331		10-153	High Bias		
Acrylonitrile	9.88		"	10.0		98.8		51-150			
Benzene	10.4		"	10.0		104		85-126			
Bromobenzene	9.36		"	10.0		93.6		78-129			
Bromochloromethane	10.2		"	10.0		102		77-128			
Bromodichloromethane	8.88		"	10.0		88.8		79-128			
Bromoform	8.20		"	10.0		82.0		78-133			
Bromomethane	5.11		"	10.0		51.1		43-168			
Carbon disulfide	10.5		"	10.0		105		68-146			
Carbon tetrachloride	9.54		"	10.0		95.4		77-141			
Chlorobenzene	9.62		"	10.0		96.2		88-120			
Chloroethane	11.7		"	10.0		117		65-136			
Chloroform	9.74		"	10.0		97.4		82-128			
Chloromethane	9.90		"	10.0		99.0		43-155			
cis-1,2-Dichloroethylene	10.0		"	10.0		100		83-129			
cis-1,3-Dichloropropylene	9.10		"	10.0		91.0		80-131			
Cyclohexane	7.64		"	10.0		76.4		63-149			
Dibromochloromethane	8.76		"	10.0		87.6		80-130			
Dibromomethane	8.88		"	10.0		88.8		72-134			
Dichlorodifluoromethane	11.8		"	10.0		118		44-144			
Ethyl Benzene	10.2		"	10.0		102		80-131			
Hexachlorobutadiene	7.46		"	10.0		74.6		67-146			



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11702 - EPA 5030B											
LCS (BK11702-BS1)	LCS	Prepared & Analyzed: 11/12/2021									
Isopropylbenzene	9.90		ug/L	10.0		99.0	76-140				
Methyl acetate	9.08		"	10.0		90.8	51-139				
Methyl tert-butyl ether (MTBE)	9.17		"	10.0		91.7	76-135				
Methylcyclohexane	9.78		"	10.0		97.8	72-143				
Methylene chloride	10.1		"	10.0		101	55-137				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	9.93		"	10.0		99.3	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Isopropyltoluene	9.86		"	10.0		98.6	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.94		"	10.0		99.4	67-132				
tert-Butyl alcohol (TBA)	45.4		"	50.0		90.9	25-162				
tert-Butylbenzene	7.97		"	10.0		79.7	77-138				
Tetrachloroethylene	9.28		"	10.0		92.8	82-131				
Toluene	9.74		"	10.0		97.4	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	8.72		"	10.0		87.2	78-131				
Trichloroethylene	9.30		"	10.0		93.0	82-128				
Trichlorofluoromethane	10.2		"	10.0		102	67-139				
Vinyl acetate	7.50		"	10.0		75.0	21-90				
Vinyl Chloride	11.5		"	10.0		115	58-145				
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	9.40		"	10.0		94.0	69-130				
<i>Surrogate: Surr: Toluene-d8</i>	9.63		"	10.0		96.3	81-117				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	10.1		"	10.0		101	79-122				
LCS Dup (BK11702-BS1)	LCS Dup	Prepared & Analyzed: 11/12/2021									
1,1,1,2-Tetrachloroethane	8.95		ug/L	10.0		89.5	82-126		2.75	30	
1,1,1-Trichloroethane	9.00		"	10.0		90.0	78-136		3.60	30	
1,1,2,2-Tetrachloroethane	9.17		"	10.0		91.7	76-129		1.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		4.39	30	
1,1,2-Trichloroethane	8.98		"	10.0		89.8	82-123		1.57	30	
1,1-Dichloroethane	9.40		"	10.0		94.0	82-129		4.57	30	
1,1-Dichloroethylene	9.69		"	10.0		96.9	68-138		4.34	30	
1,1-Dichloropropylene	9.18		"	10.0		91.8	83-133		5.41	30	
1,2,3-Trichlorobenzene	8.10		"	10.0		81.0	76-136		1.37	30	
1,2,3-Trichloropropane	8.73		"	10.0		87.3	77-128		2.27	30	
1,2,4-Trichlorobenzene	8.23		"	10.0		82.3	76-137		0.00	30	
1,2,4-Trimethylbenzene	9.19		"	10.0		91.9	82-132		6.53	30	
1,2-Dibromo-3-chloropropane	7.31		"	10.0		73.1	45-147		1.24	30	
1,2-Dibromoethane	8.98		"	10.0		89.8	83-124		1.01	30	
1,2-Dichlorobenzene	8.99		"	10.0		89.9	79-123		3.93	30	
1,2-Dichloroethane	9.08		"	10.0		90.8	73-132		1.10	30	
1,2-Dichloropropane	9.53		"	10.0		95.3	78-126		3.30	30	
1,3,5-Trimethylbenzene	9.32		"	10.0		93.2	80-131		7.04	30	
1,3-Dichlorobenzene	8.66		"	10.0		86.6	86-122		6.05	30	
1,3-Dichloropropane	9.04		"	10.0		90.4	81-125		0.555	30	
1,4-Dichlorobenzene	8.80		"	10.0		88.0	85-124		5.63	30	
1,4-Dioxane	525		"	210		250	10-349		3.03	30	
2,2-Dichloropropane	9.71		"	10.0		97.1	56-150		5.22	30	
2-Butanone	9.93		"	10.0		99.3	49-152		3.48	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11702 - EPA 5030B											
LCS Dup (BK11702-bsd1)	LCS Dup	Prepared & Analyzed: 11/12/2021									
2-Chlorotoluene	8.12		ug/L	10.0		81.2	79-130		18.3	30	
2-Hexanone	9.04		"	10.0		90.4	51-146		4.76	30	
4-Chlorotoluene	8.90		"	10.0		89.0	79-128		7.88	30	
4-Methyl-2-pentanone	9.11		"	10.0		91.1	57-145		4.03	30	
Acetone	9.58		"	10.0		95.8	14-150		2.75	30	
Acrolein	33.0		"	10.0		330	10-153	High Bias	0.181	30	
Acrylonitrile	10.5		"	10.0		105	51-150		6.37	30	
Benzene	10.0		"	10.0		100	85-126		3.72	30	
Bromobenzene	8.83		"	10.0		88.3	78-129		5.83	30	
Bromochloromethane	9.97		"	10.0		99.7	77-128		2.77	30	
Bromodichloromethane	8.66		"	10.0		86.6	79-128		2.51	30	
Bromoform	8.45		"	10.0		84.5	78-133		3.00	30	
Bromomethane	4.76		"	10.0		47.6	43-168		7.09	30	
Carbon disulfide	9.89		"	10.0		98.9	68-146		6.36	30	
Carbon tetrachloride	9.17		"	10.0		91.7	77-141		3.96	30	
Chlorobenzene	9.36		"	10.0		93.6	88-120		2.74	30	
Chloroethane	11.0		"	10.0		110	65-136		5.91	30	
Chloroform	9.45		"	10.0		94.5	82-128		3.02	30	
Chloromethane	9.27		"	10.0		92.7	43-155		6.57	30	
cis-1,2-Dichloroethylene	9.63		"	10.0		96.3	83-129		3.87	30	
cis-1,3-Dichloropropylene	8.89		"	10.0		88.9	80-131		2.33	30	
Cyclohexane	7.36		"	10.0		73.6	63-149		3.73	30	
Dibromochloromethane	8.77		"	10.0		87.7	80-130		0.114	30	
Dibromomethane	8.80		"	10.0		88.0	72-134		0.905	30	
Dichlorodifluoromethane	11.1		"	10.0		111	44-144		6.10	30	
Ethyl Benzene	9.87		"	10.0		98.7	80-131		3.29	30	
Hexachlorobutadiene	7.74		"	10.0		77.4	67-146		3.68	30	
Isopropylbenzene	9.13		"	10.0		91.3	76-140		8.09	30	
Methyl acetate	9.44		"	10.0		94.4	51-139		3.89	30	
Methyl tert-butyl ether (MTBE)	9.31		"	10.0		93.1	76-135		1.52	30	
Methylcyclohexane	9.53		"	10.0		95.3	72-143		2.59	30	
Methylene chloride	9.82		"	10.0		98.2	55-137		2.91	30	
n-Butylbenzene	9.64		"	10.0		96.4	79-132		4.76	30	
n-Propylbenzene	9.24		"	10.0		92.4	78-133		8.40	30	
o-Xylene	9.62		"	10.0		96.2	78-130		3.17	30	
p- & m- Xylenes	19.9		"	20.0		99.6	77-133		3.50	30	
p-Isopropyltoluene	9.22		"	10.0		92.2	81-136		6.71	30	
sec-Butylbenzene	9.52		"	10.0		95.2	79-137		6.70	30	
Styrene	9.73		"	10.0		97.3	67-132		2.14	30	
tert-Butyl alcohol (TBA)	50.1		"	50.0		100	25-162		9.84	30	
tert-Butylbenzene	7.41		"	10.0		74.1	77-138	Low Bias	7.28	30	
Tetrachloroethylene	8.89		"	10.0		88.9	82-131		4.29	30	
Toluene	9.37		"	10.0		93.7	80-127		3.87	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		4.57	30	
trans-1,3-Dichloropropylene	8.79		"	10.0		87.9	78-131		0.800	30	
Trichloroethylene	8.86		"	10.0		88.6	82-128		4.85	30	
Trichlorofluoromethane	9.67		"	10.0		96.7	67-139		5.82	30	
Vinyl acetate	7.98		"	10.0		79.8	21-90		6.20	30	
Vinyl Chloride	10.8		"	10.0		108	58-145		6.62	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	9.53		"	10.0		95.3	69-130				
Surrogate: Surr: Toluene-d8	9.63		"	10.0		96.3	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11702 - EPA 5030B											
LCS Dup (BK11702-BSD1) LCS Dup								Prepared & Analyzed: 11/12/2021			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	9.62		ug/L	10.0		96.2	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11609 - EPA 3510C

Blank (BK11609-BLK1)		Blank										Prepared: 11/11/2021 Analyzed: 11/12/2021	
2-Methylnaphthalene	ND	5.00	ug/L										
Acenaphthene	ND	0.0500	"										
Acenaphthylene	ND	0.0500	"										
Anthracene	ND	0.0500	"										
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	"										
Chrysene	ND	0.0500	"										
Dibenzo(a,h)anthracene	ND	0.0500	"										
Fluoranthene	ND	0.0500	"										
Fluorene	ND	0.0500	"										
Indeno(1,2,3-cd)pyrene	ND	0.0500	"										
Naphthalene	ND	0.0500	"										
Phenanthrene	ND	0.0500	"										
Pyrene	ND	0.0500	"										
Surrogate: SURR: Nitrobenzene-d5	17.7		"	25.0		70.8	50.2-113						
Surrogate: SURR: 2-Fluorobiphenyl	16.9		"	25.0		67.4	39.9-105						
Surrogate: SURR: Terphenyl-d14	21.8		"	25.0		87.1	30.7-106						

LCS (BK11609-BS1)		LCS										Prepared: 11/11/2021 Analyzed: 11/12/2021	
2-Methylnaphthalene	16.4	5.00	ug/L	25.0		65.7	33-101						
Acenaphthene	16.0	0.0500	"	25.0		64.2	24-114						
Acenaphthylene	15.9	0.0500	"	25.0		63.6	26-112						
Anthracene	18.3	0.0500	"	25.0		73.2	35-114						
Benzo(a)anthracene	19.4	0.0500	"	25.0		77.6	38-127						
Benzo(a)pyrene	20.3	0.0500	"	25.0		81.2	30-146						
Benzo(b)fluoranthene	20.8	0.0500	"	25.0		83.3	36-145						
Benzo(g,h,i)perylene	19.7	0.0500	"	25.0		78.8	10-163						
Benzo(k)fluoranthene	18.9	0.0500	"	25.0		75.7	16-149						
Chrysene	18.0	0.0500	"	25.0		72.2	33-120						
Dibenzo(a,h)anthracene	22.2	0.0500	"	25.0		88.8	10-149						
Fluoranthene	19.2	0.0500	"	25.0		76.6	33-126						
Fluorene	16.5	0.0500	"	25.0		66.1	28-117						
Indeno(1,2,3-cd)pyrene	20.1	0.0500	"	25.0		80.5	10-150						
Naphthalene	16.0	0.0500	"	25.0		64.1	30-99						
Phenanthrene	17.3	0.0500	"	25.0		69.0	31-112						
Pyrene	18.0	0.0500	"	25.0		72.1	42-125						
Surrogate: SURR: Nitrobenzene-d5	17.9		"	25.0		71.7	50.2-113						
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.1	39.9-105						
Surrogate: SURR: Terphenyl-d14	22.3		"	25.0		89.3	30.7-106						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11609 - EPA 3510C											
LCS Dup (BK11609-bsd1)	LCS Dup										
										Prepared: 11/11/2021 Analyzed: 11/12/2021	
2-Methylnaphthalene	17.9	5.00	ug/L	25.0		71.4	33-101		8.40	20	
Acenaphthene	17.6	0.0500	"	25.0		70.6	24-114		9.44	20	
Acenaphthylene	17.0	0.0500	"	25.0		67.9	26-112		6.57	20	
Anthracene	20.2	0.0500	"	25.0		80.6	35-114		9.73	20	
Benzo(a)anthracene	20.9	0.0500	"	25.0		83.6	38-127		7.40	20	
Benzo(a)pyrene	22.3	0.0500	"	25.0		89.1	30-146		9.35	20	
Benzo(b)fluoranthene	20.6	0.0500	"	25.0		82.5	36-145		0.965	20	
Benzo(g,h,i)perylene	20.5	0.0500	"	25.0		82.0	10-163		3.98	20	
Benzo(k)fluoranthene	21.4	0.0500	"	25.0		85.6	16-149		12.3	20	
Chrysene	19.6	0.0500	"	25.0		78.4	33-120		8.23	20	
Dibenzo(a,h)anthracene	23.2	0.0500	"	25.0		93.0	10-149		4.62	20	
Fluoranthene	20.5	0.0500	"	25.0		82.0	33-126		6.76	20	
Fluorene	17.8	0.0500	"	25.0		71.1	28-117		7.23	20	
Indeno(1,2,3-cd)pyrene	20.1	0.0500	"	25.0		80.4	10-150		0.0995	20	
Naphthalene	17.8	0.0500	"	25.0		71.2	30-99		10.4	20	
Phenanthrene	18.5	0.0500	"	25.0		73.8	31-112		6.72	20	
Pyrene	19.2	0.0500	"	25.0		76.6	42-125		6.08	20	
Surrogate: SURR: Nitrobenzene-d5	19.3		"	25.0		77.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.6		"	25.0		74.4	39.9-105				
Surrogate: SURR: Terphenyl-d14	23.5		"	25.0		93.9	30.7-106				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11588 - EPA 3015A

Blank (BK11588-BLK1)	Blank	Prepared: 11/11/2021 Analyzed: 11/12/2021									
Arsenic	ND	1.11	ug/L								
Barium	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Chromium	ND	1.11	"								
Copper	ND	1.11	"								
Lead	ND	1.11	"								
Manganese	ND	1.11	"								
Nickel	ND	1.11	"								
Selenium	ND	1.11	"								
Silver	ND	1.11	"								
Zinc	ND	1.11	"								

LCS (BK11588-BS1)	LCS	Prepared & Analyzed: 11/11/2021									
Arsenic	50.6		ug/L	50.0	101	80-120					
Barium	58.7		"	50.0	117	80-120					
Beryllium	43.0		"	50.0	85.9	80-120					
Cadmium	42.4		"	50.0	84.7	80-120					
Chromium	52.0		"	50.0	104	80-120					
Copper	48.6		"	50.0	97.2	80-120					
Lead	48.0		"	50.0	96.0	80-120					
Manganese	59.8		"	50.0	120	80-120					
Nickel	48.2		"	50.0	96.3	80-120					
Selenium	53.7		"	50.0	107	80-120					
Silver	42.6		"	50.0	85.2	80-120					
Zinc	57.7		"	50.0	115	80-120					

Duplicate (BK11588-DUP1)	Duplicate	*Source sample: 21K0527-14 (Duplicate) Prepared & Analyzed: 11/11/2021									
Arsenic	32.4	1.11	ug/L		14.1				78.4	20	Non-dir.
Barium	244	1.11	"		139				54.9	20	Non-dir.
Beryllium	1.02	0.333	"		1.09				6.59	20	
Cadmium	ND	0.556	"		ND					20	
Chromium	297	1.11	"		126				80.9	20	Non-dir.
Copper	170	1.11	"		105				47.1	20	Non-dir.
Lead	53.5	1.11	"		48.6				9.70	20	
Manganese	1730	1.11	"		875				65.7	20	Non-dir.
Nickel	261	1.11	"		99.1				90.1	20	Non-dir.
Selenium	3.56	1.11	"		3.31				7.29	20	
Silver	ND	1.11	"		ND					20	
Zinc	453	1.11	"		226				67.1	20	Non-dir.



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11588 - EPA 3015A

Matrix Spike (BK11588-MS1)	Matrix Spike	*Source sample: 21K0527-14 (Matrix Spike)					Prepared & Analyzed: 11/11/2021					
Arsenic	71.0		ug/L	50.0	12.7	117	75-125					
Barium	235		"	50.0	125	220	75-125	High Bias				
Beryllium	6.15		"	50.0	0.985	10.3	75-125	Low Bias				
Cadmium	33.8		"	50.0	0.161	67.3	75-125	Low Bias				
Chromium	303		"	50.0	113	379	75-125	High Bias				
Copper	183		"	50.0	94.5	176	75-125	High Bias				
Lead	64.9		"	50.0	43.7	42.4	75-125	Low Bias				
Manganese	1560		"	50.0	787	NR	75-125	High Bias				
Nickel	263		"	50.0	89.2	348	75-125	High Bias				
Selenium	52.4		"	50.0	2.98	98.8	75-125					
Silver	26.1		"	50.0	0.129	52.0	75-125	Low Bias				
Zinc	446		"	50.0	203	485	75-125	High Bias				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11618 - EPA SW846-7470A											
Blank (BK11618-BLK1)	Blank										Prepared & Analyzed: 11/11/2021
Mercury	ND	0.2	ug/L								
Blank (BK11618-BLK2)	Blank										Prepared & Analyzed: 11/11/2021
Mercury	ND	0.2	ug/L								
LCS (BK11618-BS1)	LCS										Prepared & Analyzed: 11/11/2021
Mercury	1.9360	0.2	ug/L	2.00		96.8	80-120				
LCS (BK11618-BS2)	LCS										Prepared & Analyzed: 11/11/2021
Mercury	1.9738	0.2	ug/L	2.00		98.7	80-120				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21K0521-01	020_MW-03	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0521-02	021_GWDUP	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0521-03	022_MW04	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0521-04	023_MW02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0521-05	024_MW01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0521-06	030_GWFB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21K0521-07	032_GWTB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Corrective Action: The lab did not receive the 1L ambers for samples 023_MW-02 and 024_MW-01 and the client confirmed that these samples were not collected. A revised COC was submitted to the lab.



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.

21K0521

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com

www.yorklab.com

800-306-YORK

800-306-9675

Page ___ of ___

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGAN	Company: LANGAN	Company: LANGAN				100963701		RUSH - Next Day	
Address: 300 Kimball Dr Parsippany, NJ	Address:	Address:				YOUR Project Name		RUSH - Two Day	<input checked="" type="checkbox"/>
Phone: 973 560 4900	Phone:	Phone:				1487 1st Avenue		RUSH - Three Day	
Contact: Amanda Fursburg	Contact:	Contact:				YOUR PO#:		RUSH - Four Day	
E-mail: afursburg@langan.com	E-mail:	E-mail:						Standard (5-7 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.

Audrey Scemy
[Signature]

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York <input checked="" type="checkbox"/>	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	CT RCP	
DW - drinking water	Connecticut	CT RCP DQA/DUE	
WW - wastewater	Pennsylvania	Standard Excel EDD	
O - Oil Other	Other:	NY ASP A Package	
		NY ASP B Package	
		NJDEP Reduced Deliverables	
		NJDEP SRP HazSite	
		NJDKQP	
		Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
020 - MW-03	AW GW	11/10/21 1210	VOCs, PAHs, Metals (DEC List)	
021 - GW DUP		0000	VOCs, PAHs, and Metals (DEC List)	
022 - MW-04		1510	VOCs, PAHs, and Metals (DEC List)	
023 - MW-02		1540	VOCs and Metals (DEC List) Only	
024 - MW-03 1		1630	VOCs and Metals (DEC List) Only	
030 - GW PFB	AW	1410	VOCs, PAHs, and Metals (DEC List)	
032 - GW TB	AW	1625	VOCs	

Comments: 2 DAY TAT A.S. Edits 11/11/21

Samples iced/chilled at time of lab pickup? circle Yes or No

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

Special Instruction: Field Filtered Lab to Filter

1. Samples Relinquished by / Company <i>[Signature]</i> Langan 11/10/21 1710	1. Samples Received by / Company <i>[Signature]</i> York 11/10/21 1710	2. Samples Relinquished by / Company <i>[Signature]</i> 11/10/21 1820
2. Samples Received by / Company Francisco/Yohis 11/10/21 1820	3. Samples Relinquished by / Company Francisco/Yohis 11/10/21 2108	3. Samples Received by / Company
4. Samples Relinquished by / Company	4. Samples Received by / Company	Samples Received in LAB by <i>[Signature]</i> 11/10/21 2108 2.1 Degrees C

Page 63 of 63



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 11/12/2021

Client Project ID: 100963701

York Project (SDG) No.: 21K0523



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/12/2021
Client Project ID: 100963701
York Project (SDG) No.: 21K0523

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 November 10, 2021 and listed below. The project was identified as your project: **100963701**.

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>
21K0523-01	015_LB-07_0-2	Soil	11/10/2021	11/10/2021
21K0523-02	014_LB-07_5-7	Soil	11/10/2021	11/10/2021
21K0523-03	016_LB-04_0-2	Soil	11/10/2021	11/10/2021
21K0523-04	017_LB-04_6.5-7.5	Soil	11/10/2021	11/10/2021
21K0523-05	018_LB-05_6.5-8	Soil	11/10/2021	11/10/2021
21K0523-06	019_LB-05_8-9	Soil	11/10/2021	11/10/2021
21K0523-07	031_LBTB	Water	11/10/2021	11/10/2021

General Notes for York Project (SDG) No.: 21K0523

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: 11/12/2021





Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:11	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:11	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC



Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:11	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC



Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-09-2	Methylene chloride	0.0084		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC



Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:11	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:11	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	95.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH



Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:03	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.2 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	63.1 %			24-116						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ



Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 11:56	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	11/11/2021 07:26	11/12/2021 11:56	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %	30-120							

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	6.28		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-39-3	Barium	145		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-43-9	Cadmium	0.817		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-47-3	Chromium	34.5		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-50-8	Copper	25.5		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7439-92-1	Lead	206		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7439-96-5	Manganese	1410		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-02-0	Nickel	26.8		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH
7440-66-6	Zinc	366		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:15	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: 015_LB-07_0-2

York Sample ID: 21K0523-01

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:15 am	<u>Date Received</u> 11/10/2021
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Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0381	1	EPA 7471B	11/12/2021 13:30	11/12/2021 13:30	AA
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.6		%	0.100	1	SM 2540G	11/12/2021 11:31	11/12/2021 14:34	VR
							Certifications:	CTDOH		



Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:37	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:37	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC



Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:37	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC



Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-09-2	Methylene chloride	0.015		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC



Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 14:37	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 14:37	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	97.0 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH



Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 20:34	KH
	Surrogate Recoveries	Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.0 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.6 %			24-116						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ



Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/11/2021 07:26	11/12/2021 12:10	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	11/11/2021 07:26	11/12/2021 12:10	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %	30-120							

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-39-3	Barium	46.3		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.329	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-47-3	Chromium	19.0		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-50-8	Copper	11.8		mg/kg dry	2.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7439-92-1	Lead	3.67		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7439-96-5	Manganese	96.8		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-02-0	Nickel	13.1		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH
7440-66-6	Zinc	29.8		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:18	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: 014_LB-07_5-7

York Sample ID: 21K0523-02

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 11:20 am	<u>Date Received</u> 11/10/2021
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Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0361	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	91.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/12/2021 11:31	11/12/2021 14:34	VR



Sample Information

Client Sample ID: 016_LB-04_0-2

York Sample ID: 21K0523-03

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:40 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:02	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:02	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC



Sample Information

Client Sample ID: 016_LB-04_0-2

York Sample ID: 21K0523-03

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:40 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:02	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC



Sample Information

Client Sample ID: 016_LB-04_0-2

York Sample ID: 21K0523-03

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:40 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-09-2	Methylene chloride	0.0065	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC



Sample Information

Client Sample ID: 016_LB-04_0-2

York Sample ID: 21K0523-03

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:40 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:02	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:02	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	97.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH



Sample Information

Client Sample ID: 016_LB-04_0-2

York Sample ID: 21K0523-03

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:40 pm	<u>Date Received</u> 11/10/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:06	KH
	Surrogate Recoveries	Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.9 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.9 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-39-3	Barium	128		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-47-3	Chromium	23.9		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-50-8	Copper	25.6		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH



Sample Information

Client Sample ID: 016_LB-04_0-2

York Sample ID: 21K0523-03

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:40 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	33.0		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7439-96-5	Manganese	1260		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-02-0	Nickel	20.8		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-22-4	Silver	0.757		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH
7440-66-6	Zinc	43.7		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:20	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0398	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	0.603	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/12/2021 08:22	11/12/2021 16:20	JAG

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/12/2021 11:31	11/12/2021 14:34	VR



Sample Information

Client Sample ID: 017_LB-04_6.5-7.5

York Sample ID: 21K0523-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0523

100963701

Soil

November 10, 2021 2:43 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:28	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	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	11/11/2021 06:57	11/11/2021 15:28	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	11/11/2021 06:57	11/11/2021 15:28	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	11/11/2021 06:57	11/11/2021 15:28	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	11/11/2021 06:57	11/11/2021 15:28	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	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	11/11/2021 06:57	11/11/2021 15:28	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC





Sample Information

Client Sample ID: 017_LB-04_6.5-7.5

York Sample ID: 21K0523-04

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:43 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:28	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC



Sample Information

Client Sample ID: 017_LB-04_6.5-7.5

York Sample ID: 21K0523-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0523

100963701

Soil

November 10, 2021 2:43 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-09-2	Methylene chloride	0.011		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	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	11/11/2021 06:57	11/11/2021 15:28	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC



Sample Information

Client Sample ID: 017_LB-04_6.5-7.5

York Sample ID: 21K0523-04

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:43 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:28	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:28	BMC

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.7 %
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %

77-125

85-120

76-130

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH



Sample Information

Client Sample ID: 017_LB-04_6.5-7.5

York Sample ID: 21K0523-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0523

100963701

Soil

November 10, 2021 2:43 pm

11/10/2021

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 21:37	KH
	Surrogate Recoveries	Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.3 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.8 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-39-3	Barium	68.3		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-47-3	Chromium	19.6		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-50-8	Copper	22.0		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH



Sample Information

Client Sample ID: 017_LB-04_6.5-7.5

York Sample ID: 21K0523-04

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 2:43 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	6.64		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7439-96-5	Manganese	92.2		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-02-0	Nickel	44.4		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH
7440-66-6	Zinc	59.3		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:23	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0378	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	87.2		%	0.100	1	SM 2540G Certifications: CTDOH	11/12/2021 11:31	11/12/2021 14:34	VR



Sample Information

Client Sample ID: 018_LB-05_6.5-8

York Sample ID: 21K0523-05

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:53	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:53	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC



Sample Information

Client Sample ID: 018_LB-05_6.5-8

York Sample ID: 21K0523-05

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.029	0.058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:53	BMC
78-93-3	2-Butanone	0.0039	Cal-E	mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
67-64-1	Acetone	0.017	ICV-E	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC



Sample Information

Client Sample ID: 018_LB-05_6.5-8

York Sample ID: 21K0523-05

York Project (SDG) No.
21K0523

Client Project ID
100963701

Matrix
Soil

Collection Date/Time
November 10, 2021 3:30 pm

Date Received
11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-09-2	Methylene chloride	0.0049	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
135-98-8	sec-Butylbenzene	0.0056		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC



Sample Information

Client Sample ID: 018_LB-05_6.5-8

York Sample ID: 21K0523-05

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0015	0.0029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 15:53	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 15:53	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.5 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH



Sample Information

Client Sample ID: 018_LB-05_6.5-8

York Sample ID: 21K0523-05

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
129-00-0	Pyrene	0.0499	J	mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:08	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.0 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.2 %	24-116								

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-39-3	Barium	116		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-47-3	Chromium	50.7		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-50-8	Copper	38.4		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH



Sample Information

Client Sample ID: 018_LB-05_6.5-8

York Sample ID: 21K0523-05

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	32.0		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7439-96-5	Manganese	266		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-02-0	Nickel	44.4		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH
7440-66-6	Zinc	69.4		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:25	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0371	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	88.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/12/2021 11:31	11/12/2021 14:34	VR



Sample Information

Client Sample ID: 019_LB-05_8-9

York Sample ID: 21K0523-06

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 16:45	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 16:45	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC



Sample Information

Client Sample ID: 019_LB-05_8-9

York Sample ID: 21K0523-06

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 16:45	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
67-64-1	Acetone	0.0069	ICV-E, J	mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC



Sample Information

Client Sample ID: 019_LB-05_8-9

York Sample ID: 21K0523-06

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-09-2	Methylene chloride	0.011		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC



Sample Information

Client Sample ID: 019_LB-05_8-9

York Sample ID: 21K0523-06

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:57	11/11/2021 16:45	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:57	11/11/2021 16:45	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	96.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %	76-130								

Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH



Sample Information

Client Sample ID: 019_LB-05_8-9

York Sample ID: 21K0523-06

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Semi-Volatiles, 8270 PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/11/2021 07:25	11/11/2021 22:40	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.8 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.6 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-39-3	Barium	451		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-43-9	Cadmium	0.780		mg/kg dry	0.350	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-47-3	Chromium	140		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-50-8	Copper	50.7		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH



Sample Information

Client Sample ID: 019_LB-05_8-9

York Sample ID: 21K0523-06

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 10, 2021 3:30 pm	<u>Date Received</u> 11/10/2021
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	18.0		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7439-96-5	Manganese	539		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-02-0	Nickel	65.1		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-22-4	Silver	3.19		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH
7440-66-6	Zinc	136		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/10/2021 18:26	11/11/2021 17:28	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471B

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	0.0385	1	EPA 7471B Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/12/2021 13:30	11/12/2021 13:30	AA

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	11/12/2021 11:31	11/12/2021 14:34	VR



Sample Information

Client Sample ID: 031_LBTB

York Sample ID: 21K0523-07

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:20 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 13:09	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG



Sample Information

Client Sample ID: 031_LBTB

York Sample ID: 21K0523-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0523

100963701

Water

November 10, 2021 4:20 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG



Sample Information

Client Sample ID: 031_LBTB

York Sample ID: 21K0523-07

<u>York Project (SDG) No.</u> 21K0523	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 10, 2021 4:20 pm	<u>Date Received</u> 11/10/2021
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-09-2	Methylene chloride	1.38	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG



Sample Information

Client Sample ID: 031_LBTB

York Sample ID: 21K0523-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0523

100963701

Water

November 10, 2021 4:20 pm

11/10/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/11/2021 06:07	11/11/2021 13:09	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/11/2021 06:07	11/11/2021 13:09	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	96.0 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.6 %	79-122



Analytical Batch Summary

Batch ID: BK11567

Preparation Method: EPA 3050B

Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-01	015_LB-07_0-2	11/10/21
21K0523-02	014_LB-07_5-7	11/10/21
21K0523-03	016_LB-04_0-2	11/10/21
21K0523-04	017_LB-04_6.5-7.5	11/10/21
21K0523-05	018_LB-05_6.5-8	11/10/21
21K0523-06	019_LB-05_8-9	11/10/21
BK11567-BLK1	Blank	11/10/21
BK11567-DUP1	Duplicate	11/10/21
BK11567-MS1	Matrix Spike	11/10/21
BK11567-PS1	Post Spike	11/10/21
BK11567-SRM1	Reference	11/10/21

Batch ID: BK11580

Preparation Method: EPA 3546 SVOA

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-01	015_LB-07_0-2	11/11/21
21K0523-02	014_LB-07_5-7	11/11/21
21K0523-03	016_LB-04_0-2	11/11/21
21K0523-04	017_LB-04_6.5-7.5	11/11/21
21K0523-05	018_LB-05_6.5-8	11/11/21
21K0523-06	019_LB-05_8-9	11/11/21
BK11580-BLK1	Blank	11/11/21
BK11580-BS1	LCS	11/11/21
BK11580-MS1	Matrix Spike	11/11/21
BK11580-MSD1	Matrix Spike Dup	11/11/21

Batch ID: BK11581

Preparation Method: EPA 3550C

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-01	015_LB-07_0-2	11/11/21
21K0523-02	014_LB-07_5-7	11/11/21
BK11581-BLK2	Blank	11/11/21
BK11581-BS2	LCS	11/11/21

Batch ID: BK11606

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-01	015_LB-07_0-2	11/11/21
21K0523-02	014_LB-07_5-7	11/11/21
21K0523-03	016_LB-04_0-2	11/11/21
21K0523-04	017_LB-04_6.5-7.5	11/11/21
21K0523-05	018_LB-05_6.5-8	11/11/21
21K0523-06	019_LB-05_8-9	11/11/21
BK11606-BLK1	Blank	11/11/21



BK11606-BLK2	Blank	11/11/21
BK11606-BLK3	Blank	11/11/21
BK11606-BS1	LCS	11/11/21
BK11606-BSD1	LCS Dup	11/11/21

Batch ID: BK11615 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-07	031_LBTB	11/11/21
BK11615-BLK1	Blank	11/11/21
BK11615-BS1	LCS	11/11/21
BK11615-BSD1	LCS Dup	11/11/21

Batch ID: BK11659 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-03	016_LB-04_0-2	11/12/21
BK11659-BLK1	Blank	11/12/21
BK11659-DUP1	Duplicate	11/12/21
BK11659-MS1	Matrix Spike	11/12/21
BK11659-SRM1	Reference	11/12/21

Batch ID: BK11671 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-01	015_LB-07_0-2	11/12/21
21K0523-02	014_LB-07_5-7	11/12/21
21K0523-03	016_LB-04_0-2	11/12/21
21K0523-04	017_LB-04_6.5-7.5	11/12/21
21K0523-05	018_LB-05_6.5-8	11/12/21
21K0523-06	019_LB-05_8-9	11/12/21
BK11671-DUP1	Duplicate	11/12/21

Batch ID: BK11692 **Preparation Method:** EPA SW846-7471B **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21K0523-01	015_LB-07_0-2	11/12/21
21K0523-02	014_LB-07_5-7	11/12/21
21K0523-03	016_LB-04_0-2	11/12/21
21K0523-04	017_LB-04_6.5-7.5	11/12/21
21K0523-05	018_LB-05_6.5-8	11/12/21
21K0523-06	019_LB-05_8-9	11/12/21
BK11692-BLK1	Blank	11/12/21
BK11692-SRM1	Reference	11/12/21



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK1) Blank

Prepared & Analyzed: 11/11/2021

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	51.5		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	56.2		"	50.0		112	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK2) Blank

Prepared & Analyzed: 11/11/2021

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	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK2)	Blank	Prepared & Analyzed: 11/11/2021									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	49.9		ug/L	50.0		99.9	77-125				
<i>Surrogate: Surr: Toluene-d8</i>	49.3			50.0		98.6	85-120				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	55.7			50.0		111	76-130				

Blank (BK11606-BLK3)	Blank	Prepared & Analyzed: 11/11/2021									
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

Blank (BK11606-BLK3)

Blank

Prepared & Analyzed: 11/11/2021

2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11606 - EPA 5035A											
Blank (BK11606-BLK3)		Blank		Prepared & Analyzed: 11/11/2021							
Surrogate: SURR: 1,2-Dichloroethane-d4	47.8		ug/L	50.0		95.5	77-125				
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	57.4		"	50.0		115	76-130				
LCS (BK11606-BS1)		LCS		Prepared & Analyzed: 11/11/2021							
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.5	75-129				
1,1,1-Trichloroethane	54.1		"	50.0		108	71-137				
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.6		"	50.0		117	58-146				
1,1,2-Trichloroethane	48.0		"	50.0		96.0	83-123				
1,1-Dichloroethane	51.0		"	50.0		102	75-130				
1,1-Dichloroethylene	52.9		"	50.0		106	64-137				
1,1-Dichloropropylene	50.0		"	50.0		100	77-127				
1,2,3-Trichlorobenzene	52.7		"	50.0		105	81-140				
1,2,3-Trichloropropane	49.1		"	50.0		98.2	81-126				
1,2,4-Trichlorobenzene	53.3		"	50.0		107	80-141				
1,2,4-Trimethylbenzene	50.8		"	50.0		102	84-125				
1,2-Dibromo-3-chloropropane	46.2		"	50.0		92.3	74-142				
1,2-Dibromoethane	51.1		"	50.0		102	86-123				
1,2-Dichlorobenzene	49.4		"	50.0		98.8	85-122				
1,2-Dichloroethane	50.9		"	50.0		102	71-133				
1,2-Dichloropropane	48.6		"	50.0		97.3	81-122				
1,3,5-Trimethylbenzene	50.0		"	50.0		99.9	82-126				
1,3-Dichlorobenzene	49.3		"	50.0		98.7	84-124				
1,3-Dichloropropane	48.2		"	50.0		96.3	83-123				
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124				
1,4-Dioxane	992		"	1050		94.5	10-228				
2,2-Dichloropropane	43.9		"	50.0		87.8	67-136				
2-Butanone	50.2		"	50.0		100	58-147				
2-Chlorotoluene	48.5		"	50.0		97.0	78-127				
2-Hexanone	45.6		"	50.0		91.2	70-139				
4-Chlorotoluene	49.0		"	50.0		98.0	79-125				
4-Methyl-2-pentanone	41.1		"	50.0		82.1	72-132				
Acetone	35.3		"	50.0		70.5	36-155				
Acrolein	79.5		"	50.0		159	10-238				
Acrylonitrile	53.0		"	50.0		106	66-141				
Benzene	52.4		"	50.0		105	77-127				
Bromobenzene	48.0		"	50.0		96.0	77-129				
Bromochloromethane	51.9		"	50.0		104	74-129				
Bromodichloromethane	50.9		"	50.0		102	81-124				
Bromoform	49.6		"	50.0		99.2	80-136				
Bromomethane	47.4		"	50.0		94.8	32-177				
Carbon disulfide	55.2		"	50.0		110	10-136				
Carbon tetrachloride	49.8		"	50.0		99.6	66-143				
Chlorobenzene	49.0		"	50.0		98.1	86-120				
Chloroethane	51.8		"	50.0		104	51-142				
Chloroform	53.1		"	50.0		106	76-131				
Chloromethane	43.1		"	50.0		86.3	49-132				
cis-1,2-Dichloroethylene	51.6		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	49.9		"	50.0		99.9	81-129				
Cyclohexane	52.4		"	50.0		105	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11606 - EPA 5035A

LCS (BK11606-BS1)	LCS	Prepared & Analyzed: 11/11/2021									
Dibromochloromethane	49.0		ug/L	50.0		98.1	10-200				
Dibromomethane	48.5		"	50.0		97.0	83-124				
Dichlorodifluoromethane	47.6		"	50.0		95.3	28-158				
Ethyl Benzene	49.9		"	50.0		99.8	84-125				
Hexachlorobutadiene	52.1		"	50.0		104	83-133				
Isopropylbenzene	48.8		"	50.0		97.6	81-127				
Methyl acetate	45.9		"	50.0		91.8	41-143				
Methyl tert-butyl ether (MTBE)	48.4		"	50.0		96.7	74-131				
Methylcyclohexane	47.8		"	50.0		95.5	70-130				
Methylene chloride	54.2		"	50.0		108	57-141				
n-Butylbenzene	47.4		"	50.0		94.7	80-130				
n-Propylbenzene	48.0		"	50.0		96.1	74-136				
o-Xylene	49.5		"	50.0		98.9	83-123				
p- & m- Xylenes	98.9		"	100		98.9	82-128				
p-Isopropyltoluene	50.9		"	50.0		102	85-125				
sec-Butylbenzene	52.0		"	50.0		104	83-125				
Styrene	51.1		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	264		"	250		106	70-130				
tert-Butylbenzene	43.1		"	50.0		86.3	80-127				
Tetrachloroethylene	48.5		"	50.0		97.0	80-129				
Toluene	48.9		"	50.0		97.7	85-121				
trans-1,2-Dichloroethylene	54.4		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	42.6		"	50.0		85.2	78-132				
Trichloroethylene	48.9		"	50.0		97.9	84-123				
Trichlorofluoromethane	51.6		"	50.0		103	62-140				
Vinyl acetate	49.6		"	50.0		99.3	67-136				
Vinyl Chloride	46.5		"	50.0		92.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.3		"	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.5		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11606 - EPA 5035A											
LCS Dup (BK11606-BSD1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	45.4		ug/L	50.0		90.8	75-129		1.77	30	
1,1,1-Trichloroethane	53.5		"	50.0		107	71-137		1.15	30	
1,1,2,2-Tetrachloroethane	51.0		"	50.0		102	79-129		0.551	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.3		"	50.0		105	58-146		11.3	30	
1,1,2-Trichloroethane	47.7		"	50.0		95.4	83-123		0.627	30	
1,1-Dichloroethane	50.8		"	50.0		102	75-130		0.354	30	
1,1-Dichloroethylene	50.0		"	50.0		100	64-137		5.54	30	
1,1-Dichloropropylene	49.2		"	50.0		98.5	77-127		1.61	30	
1,2,3-Trichlorobenzene	51.3		"	50.0		103	81-140		2.69	30	
1,2,3-Trichloropropane	50.4		"	50.0		101	81-126		2.71	30	
1,2,4-Trichlorobenzene	51.3		"	50.0		103	80-141		3.77	30	
1,2,4-Trimethylbenzene	50.3		"	50.0		101	84-125		0.969	30	
1,2-Dibromo-3-chloropropane	47.5		"	50.0		95.0	74-142		2.80	30	
1,2-Dibromoethane	51.2		"	50.0		102	86-123		0.137	30	
1,2-Dichlorobenzene	48.4		"	50.0		96.8	85-122		2.09	30	
1,2-Dichloroethane	49.8		"	50.0		99.6	71-133		2.18	30	
1,2-Dichloropropane	48.0		"	50.0		96.0	81-122		1.32	30	
1,3,5-Trimethylbenzene	49.4		"	50.0		98.8	82-126		1.09	30	
1,3-Dichlorobenzene	49.0		"	50.0		98.0	84-124		0.651	30	
1,3-Dichloropropane	47.3		"	50.0		94.7	83-123		1.70	30	
1,4-Dichlorobenzene	49.1		"	50.0		98.2	84-124		1.26	30	
1,4-Dioxane	1020		"	1050		97.4	10-228		3.06	30	
2,2-Dichloropropane	45.3		"	50.0		90.5	67-136		3.12	30	
2-Butanone	52.3		"	50.0		105	58-147		4.15	30	
2-Chlorotoluene	48.3		"	50.0		96.6	78-127		0.434	30	
2-Hexanone	47.4		"	50.0		94.8	70-139		3.87	30	
4-Chlorotoluene	48.4		"	50.0		96.8	79-125		1.25	30	
4-Methyl-2-pentanone	41.5		"	50.0		82.9	72-132		0.969	30	
Acetone	37.2		"	50.0		74.3	36-155		5.22	30	
Acrolein	78.1		"	50.0		156	10-238		1.83	30	
Acrylonitrile	55.8		"	50.0		112	66-141		5.17	30	
Benzene	51.9		"	50.0		104	77-127		1.02	30	
Bromobenzene	47.9		"	50.0		95.7	77-129		0.271	30	
Bromochloromethane	49.7		"	50.0		99.5	74-129		4.23	30	
Bromodichloromethane	49.6		"	50.0		99.3	81-124		2.51	30	
Bromoform	48.9		"	50.0		97.9	80-136		1.34	30	
Bromomethane	45.4		"	50.0		90.9	32-177		4.20	30	
Carbon disulfide	55.0		"	50.0		110	10-136		0.345	30	
Carbon tetrachloride	49.1		"	50.0		98.2	66-143		1.44	30	
Chlorobenzene	48.3		"	50.0		96.7	86-120		1.44	30	
Chloroethane	48.9		"	50.0		97.7	51-142		5.74	30	
Chloroform	52.7		"	50.0		105	76-131		0.813	30	
Chloromethane	42.5		"	50.0		85.0	49-132		1.47	30	
cis-1,2-Dichloroethylene	50.7		"	50.0		101	74-132		1.76	30	
cis-1,3-Dichloropropylene	49.8		"	50.0		99.7	81-129		0.200	30	
Cyclohexane	51.0		"	50.0		102	70-130		2.67	30	
Dibromochloromethane	47.6		"	50.0		95.3	10-200		2.94	30	
Dibromomethane	48.0		"	50.0		96.0	83-124		1.06	30	
Dichlorodifluoromethane	46.5		"	50.0		93.0	28-158		2.36	30	
Ethyl Benzene	49.3		"	50.0		98.5	84-125		1.27	30	
Hexachlorobutadiene	50.6		"	50.0		101	83-133		3.04	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11606 - EPA 5035A											
LCS Dup (BK11606-bsd1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
Isopropylbenzene	48.3		ug/L	50.0		96.6	81-127		1.03	30	
Methyl acetate	47.3		"	50.0		94.6	41-143		2.94	30	
Methyl tert-butyl ether (MTBE)	49.5		"	50.0		99.0	74-131		2.29	30	
Methylcyclohexane	47.1		"	50.0		94.1	70-130		1.43	30	
Methylene chloride	53.0		"	50.0		106	57-141		2.22	30	
n-Butylbenzene	46.7		"	50.0		93.5	80-130		1.30	30	
n-Propylbenzene	48.0		"	50.0		96.0	74-136		0.104	30	
o-Xylene	48.4		"	50.0		96.9	83-123		2.08	30	
p- & m- Xylenes	97.6		"	100		97.6	82-128		1.39	30	
p-Isopropyltoluene	50.4		"	50.0		101	85-125		1.11	30	
sec-Butylbenzene	51.4		"	50.0		103	83-125		1.10	30	
Styrene	49.8		"	50.0		99.5	86-126		2.68	30	
tert-Butyl alcohol (TBA)	310		"	250		124	70-130		15.9	30	
tert-Butylbenzene	42.4		"	50.0		84.8	80-127		1.68	30	
Tetrachloroethylene	48.4		"	50.0		96.8	80-129		0.144	30	
Toluene	48.3		"	50.0		96.6	85-121		1.19	30	
trans-1,2-Dichloroethylene	54.6		"	50.0		109	72-132		0.386	30	
trans-1,3-Dichloropropylene	41.6		"	50.0		83.2	78-132		2.40	30	
Trichloroethylene	48.1		"	50.0		96.2	84-123		1.73	30	
Trichlorofluoromethane	50.0		"	50.0		100	62-140		2.99	30	
Vinyl acetate	49.8		"	50.0		99.6	67-136		0.302	30	
Vinyl Chloride	46.4		"	50.0		92.7	52-130		0.237	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>98.9</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.8</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.8</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>76-130</i>				

Batch BK11615 - EPA 5030B

Blank (BK11615-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11615 - EPA 5030B

Blank (BK11615-BLK1) Blank

Prepared & Analyzed: 11/11/2021

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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11615 - EPA 5030B												
Blank (BK11615-BLK1)	Blank								Prepared & Analyzed: 11/11/2021			
Xylenes, Total	ND	1.50	ug/L									
Surrogate: SURR: 1,2-Dichloroethane-d4	9.86		"	10.0		98.6	69-130					
Surrogate: SURR: Toluene-d8	9.59		"	10.0		95.9	81-117					
Surrogate: SURR: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122					
LCS (BK11615-BS1)	LCS								Prepared & Analyzed: 11/11/2021			
1,1,1,2-Tetrachloroethane	8.95		ug/L	10.0		89.5	82-126					
1,1,1-Trichloroethane	9.09		"	10.0		90.9	78-136					
1,1,2,2-Tetrachloroethane	9.10		"	10.0		91.0	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.72		"	10.0		97.2	54-165					
1,1,2-Trichloroethane	8.69		"	10.0		86.9	82-123					
1,1-Dichloroethane	9.49		"	10.0		94.9	82-129					
1,1-Dichloroethylene	9.60		"	10.0		96.0	68-138					
1,1-Dichloropropylene	9.17		"	10.0		91.7	83-133					
1,2,3-Trichlorobenzene	8.06		"	10.0		80.6	76-136					
1,2,3-Trichloropropane	8.83		"	10.0		88.3	77-128					
1,2,4-Trichlorobenzene	8.22		"	10.0		82.2	76-137					
1,2,4-Trimethylbenzene	9.47		"	10.0		94.7	82-132					
1,2-Dibromo-3-chloropropane	7.98		"	10.0		79.8	45-147					
1,2-Dibromoethane	8.71		"	10.0		87.1	83-124					
1,2-Dichlorobenzene	9.15		"	10.0		91.5	79-123					
1,2-Dichloroethane	9.05		"	10.0		90.5	73-132					
1,2-Dichloropropane	9.45		"	10.0		94.5	78-126					
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	80-131					
1,3-Dichlorobenzene	8.89		"	10.0		88.9	86-122					
1,3-Dichloropropane	8.70		"	10.0		87.0	81-125					
1,4-Dichlorobenzene	9.06		"	10.0		90.6	85-124					
1,4-Dioxane	491		"	210		234	10-349					
2,2-Dichloropropane	9.99		"	10.0		99.9	56-150					
2-Butanone	9.65		"	10.0		96.5	49-152					
2-Chlorotoluene	9.45		"	10.0		94.5	79-130					
2-Hexanone	8.49		"	10.0		84.9	51-146					
4-Chlorotoluene	9.32		"	10.0		93.2	79-128					
4-Methyl-2-pentanone	8.61		"	10.0		86.1	57-145					
Acetone	9.01		"	10.0		90.1	14-150					
Acrolein	31.3		"	10.0		313	10-153	High Bias				
Acrylonitrile	9.48		"	10.0		94.8	51-150					
Benzene	10.1		"	10.0		101	85-126					
Bromobenzene	9.12		"	10.0		91.2	78-129					
Bromochloromethane	9.81		"	10.0		98.1	77-128					
Bromodichloromethane	8.68		"	10.0		86.8	79-128					
Bromoform	8.26		"	10.0		82.6	78-133					
Bromomethane	5.43		"	10.0		54.3	43-168					
Carbon disulfide	10.1		"	10.0		101	68-146					
Carbon tetrachloride	9.11		"	10.0		91.1	77-141					
Chlorobenzene	9.37		"	10.0		93.7	88-120					
Chloroethane	11.2		"	10.0		112	65-136					
Chloroform	9.50		"	10.0		95.0	82-128					
Chloromethane	9.76		"	10.0		97.6	43-155					
cis-1,2-Dichloroethylene	9.67		"	10.0		96.7	83-129					
cis-1,3-Dichloropropylene	8.82		"	10.0		88.2	80-131					



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11615 - EPA 5030B											
LCS (BK11615-BS1)	LCS										Prepared & Analyzed: 11/11/2021
Cyclohexane	7.08		ug/L	10.0		70.8	63-149				
Dibromochloromethane	8.65		"	10.0		86.5	80-130				
Dibromomethane	8.67		"	10.0		86.7	72-134				
Dichlorodifluoromethane	11.5		"	10.0		115	44-144				
Ethyl Benzene	9.91		"	10.0		99.1	80-131				
Hexachlorobutadiene	7.42		"	10.0		74.2	67-146				
Isopropylbenzene	9.50		"	10.0		95.0	76-140				
Methyl acetate	9.16		"	10.0		91.6	51-139				
Methyl tert-butyl ether (MTBE)	9.18		"	10.0		91.8	76-135				
Methylcyclohexane	9.07		"	10.0		90.7	72-143				
Methylene chloride	9.74		"	10.0		97.4	55-137				
n-Butylbenzene	9.61		"	10.0		96.1	79-132				
n-Propylbenzene	9.57		"	10.0		95.7	78-133				
o-Xylene	9.68		"	10.0		96.8	78-130				
p- & m- Xylenes	19.9		"	20.0		99.6	77-133				
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136				
sec-Butylbenzene	9.70		"	10.0		97.0	79-137				
Styrene	9.69		"	10.0		96.9	67-132				
tert-Butyl alcohol (TBA)	42.8		"	50.0		85.7	25-162				
tert-Butylbenzene	7.66		"	10.0		76.6	77-138	Low Bias			
Tetrachloroethylene	8.94		"	10.0		89.4	82-131				
Toluene	9.40		"	10.0		94.0	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	8.65		"	10.0		86.5	78-131				
Trichloroethylene	8.94		"	10.0		89.4	82-128				
Trichlorofluoromethane	9.74		"	10.0		97.4	67-139				
Vinyl acetate	7.55		"	10.0		75.5	21-90				
Vinyl Chloride	11.0		"	10.0		110	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.45</i>		<i>"</i>	<i>10.0</i>		<i>94.5</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.66</i>		<i>"</i>	<i>10.0</i>		<i>96.6</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11615 - EPA 5030B											
LCS Dup (BK11615-bsd1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0		91.8	82-126		2.54	30	
1,1,1-Trichloroethane	9.35		"	10.0		93.5	78-136		2.82	30	
1,1,2,2-Tetrachloroethane	9.25		"	10.0		92.5	76-129		1.63	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		4.23	30	
1,1,2-Trichloroethane	9.13		"	10.0		91.3	82-123		4.94	30	
1,1-Dichloroethane	9.69		"	10.0		96.9	82-129		2.09	30	
1,1-Dichloroethylene	9.94		"	10.0		99.4	68-138		3.48	30	
1,1-Dichloropropylene	9.46		"	10.0		94.6	83-133		3.11	30	
1,2,3-Trichlorobenzene	8.44		"	10.0		84.4	76-136		4.61	30	
1,2,3-Trichloropropane	9.00		"	10.0		90.0	77-128		1.91	30	
1,2,4-Trichlorobenzene	8.53		"	10.0		85.3	76-137		3.70	30	
1,2,4-Trimethylbenzene	9.31		"	10.0		93.1	82-132		1.70	30	
1,2-Dibromo-3-chloropropane	7.46		"	10.0		74.6	45-147		6.74	30	
1,2-Dibromoethane	9.25		"	10.0		92.5	83-124		6.01	30	
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123		0.219	30	
1,2-Dichloroethane	9.48		"	10.0		94.8	73-132		4.64	30	
1,2-Dichloropropane	9.76		"	10.0		97.6	78-126		3.23	30	
1,3,5-Trimethylbenzene	9.46		"	10.0		94.6	80-131		1.68	30	
1,3-Dichlorobenzene	8.81		"	10.0		88.1	86-122		0.904	30	
1,3-Dichloropropane	9.18		"	10.0		91.8	81-125		5.37	30	
1,4-Dichlorobenzene	8.89		"	10.0		88.9	85-124		1.89	30	
1,4-Dioxane	525		"	210		250	10-349		6.67	30	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		3.15	30	
2-Butanone	10.2		"	10.0		102	49-152		5.93	30	
2-Chlorotoluene	9.23		"	10.0		92.3	79-130		2.36	30	
2-Hexanone	9.29		"	10.0		92.9	51-146		9.00	30	
4-Chlorotoluene	9.03		"	10.0		90.3	79-128		3.16	30	
4-Methyl-2-pentanone	9.26		"	10.0		92.6	57-145		7.27	30	
Acetone	9.74		"	10.0		97.4	14-150		7.79	30	
Acrolein	33.8		"	10.0		338	10-153	High Bias	7.71	30	
Acrylonitrile	10.7		"	10.0		107	51-150		11.9	30	
Benzene	10.4		"	10.0		104	85-126		2.92	30	
Bromobenzene	8.95		"	10.0		89.5	78-129		1.88	30	
Bromochloromethane	10.1		"	10.0		101	77-128		2.62	30	
Bromodichloromethane	8.98		"	10.0		89.8	79-128		3.40	30	
Bromoform	8.79		"	10.0		87.9	78-133		6.22	30	
Bromomethane	5.53		"	10.0		55.3	43-168		1.82	30	
Carbon disulfide	10.3		"	10.0		103	68-146		2.25	30	
Carbon tetrachloride	9.45		"	10.0		94.5	77-141		3.66	30	
Chlorobenzene	9.61		"	10.0		96.1	88-120		2.53	30	
Chloroethane	11.5		"	10.0		115	65-136		2.47	30	
Chloroform	9.79		"	10.0		97.9	82-128		3.01	30	
Chloromethane	9.73		"	10.0		97.3	43-155		0.308	30	
cis-1,2-Dichloroethylene	9.98		"	10.0		99.8	83-129		3.16	30	
cis-1,3-Dichloropropylene	9.16		"	10.0		91.6	80-131		3.78	30	
Cyclohexane	7.41		"	10.0		74.1	63-149		4.55	30	
Dibromochloromethane	9.10		"	10.0		91.0	80-130		5.07	30	
Dibromomethane	8.90		"	10.0		89.0	72-134		2.62	30	
Dichlorodifluoromethane	11.8		"	10.0		118	44-144		2.32	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		1.90	30	
Hexachlorobutadiene	8.02		"	10.0		80.2	67-146		7.77	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK11615 - EPA 5030B											
LCS Dup (BK11615-BSD1)	LCS Dup	Prepared & Analyzed: 11/11/2021									
Isopropylbenzene	9.29		ug/L	10.0		92.9	76-140		2.24	30	
Methyl acetate	9.60		"	10.0		96.0	51-139		4.69	30	
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	76-135		3.11	30	
Methylcyclohexane	9.48		"	10.0		94.8	72-143		4.42	30	
Methylene chloride	10.1		"	10.0		101	55-137		3.63	30	
n-Butylbenzene	9.75		"	10.0		97.5	79-132		1.45	30	
n-Propylbenzene	9.40		"	10.0		94.0	78-133		1.79	30	
o-Xylene	9.89		"	10.0		98.9	78-130		2.15	30	
p- & m- Xylenes	20.5		"	20.0		102	77-133		2.72	30	
p-Isopropyltoluene	9.37		"	10.0		93.7	81-136		0.956	30	
sec-Butylbenzene	9.63		"	10.0		96.3	79-137		0.724	30	
Styrene	9.92		"	10.0		99.2	67-132		2.35	30	
tert-Butyl alcohol (TBA)	47.2		"	50.0		94.4	25-162		9.71	30	
tert-Butylbenzene	7.53		"	10.0		75.3	77-138	Low Bias	1.71	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		2.21	30	
Toluene	9.67		"	10.0		96.7	80-127		2.83	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		2.54	30	
trans-1,3-Dichloropropylene	8.97		"	10.0		89.7	78-131		3.63	30	
Trichloroethylene	9.22		"	10.0		92.2	82-128		3.08	30	
Trichlorofluoromethane	9.81		"	10.0		98.1	67-139		0.716	30	
Vinyl acetate	8.26		"	10.0		82.6	21-90		8.98	30	
Vinyl Chloride	11.2		"	10.0		112	58-145		2.16	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.49</i>		<i>"</i>	<i>10.0</i>		<i>94.9</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11580 - EPA 3546 SVOA

Blank (BK11580-BLK1)		Prepared & Analyzed: 11/11/2021									
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Blank											
2-Methylnaphthalene	ND	0.0416	mg/kg wet								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
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	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
<i>Surrogate: SURR: Nitrobenzene-d5</i>	0.706		"	0.831		85.0	22-108				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	0.653		"	0.831		78.6	21-113				
<i>Surrogate: SURR: Terphenyl-d14</i>	0.772		"	0.831		93.0	24-116				

LCS (BK11580-BS1)		Prepared & Analyzed: 11/11/2021									
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
LCS											
2-Methylnaphthalene	0.429	0.0416	mg/kg wet	0.831		51.7	12-138				
Acenaphthene	0.416	0.0416	"	0.831		50.0	30-121				
Acenaphthylene	0.418	0.0416	"	0.831		50.3	30-115				
Anthracene	0.454	0.0416	"	0.831		54.6	34-118				
Benzo(a)anthracene	0.449	0.0416	"	0.831		54.0	32-122				
Benzo(a)pyrene	0.486	0.0416	"	0.831		58.5	29-133				
Benzo(b)fluoranthene	0.441	0.0416	"	0.831		53.0	25-133				
Benzo(g,h,i)perylene	0.423	0.0416	"	0.831		51.0	10-143				
Benzo(k)fluoranthene	0.497	0.0416	"	0.831		59.8	25-128				
Chrysene	0.429	0.0416	"	0.831		51.6	32-123				
Dibenzo(a,h)anthracene	0.484	0.0416	"	0.831		58.3	10-136				
Fluoranthene	0.470	0.0416	"	0.831		56.6	33-122				
Fluorene	0.423	0.0416	"	0.831		50.9	29-123				
Indeno(1,2,3-cd)pyrene	0.464	0.0416	"	0.831		55.9	10-135				
Naphthalene	0.425	0.0416	"	0.831		51.2	23-124				
Phenanthrene	0.418	0.0416	"	0.831		50.3	33-123				
Pyrene	0.412	0.0416	"	0.831		49.6	24-130				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	0.433		"	0.831		52.1	22-108				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	0.453		"	0.831		54.6	21-113				
<i>Surrogate: SURR: Terphenyl-d14</i>	0.499		"	0.831		60.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11580 - EPA 3546 SVOA

Matrix Spike (BK11580-MS1)	Matrix Spike	*Source sample: 21K0523-02 (014_LB-07_5-7)					Prepared & Analyzed: 11/11/2021					
2-Methylnaphthalene	0.461	0.0910	mg/kg dry	0.910	ND	50.7	10-147					
Acenaphthene	0.489	0.0910	"	0.910	ND	53.8	10-146					
Acenaphthylene	0.492	0.0910	"	0.910	ND	54.1	10-134					
Anthracene	0.491	0.0910	"	0.910	ND	54.0	10-142					
Benzo(a)anthracene	0.488	0.0910	"	0.910	ND	53.7	10-158					
Benzo(a)pyrene	0.617	0.0910	"	0.910	ND	67.8	10-180					
Benzo(b)fluoranthene	0.545	0.0910	"	0.910	ND	59.9	10-200					
Benzo(g,h,i)perylene	0.581	0.0910	"	0.910	ND	63.9	10-138					
Benzo(k)fluoranthene	0.580	0.0910	"	0.910	ND	63.8	10-197					
Chrysene	0.469	0.0910	"	0.910	ND	51.6	10-156					
Dibenzo(a,h)anthracene	0.625	0.0910	"	0.910	ND	68.7	10-137					
Fluoranthene	0.505	0.0910	"	0.910	ND	55.5	10-160					
Fluorene	0.493	0.0910	"	0.910	ND	54.2	10-157					
Indeno(1,2,3-cd)pyrene	0.573	0.0910	"	0.910	ND	63.0	10-144					
Naphthalene	0.469	0.0910	"	0.910	ND	51.6	10-141					
Phenanthrene	0.469	0.0910	"	0.910	ND	51.6	10-148					
Pyrene	0.446	0.0910	"	0.910	ND	49.0	10-165					
Surrogate: SURRE: Nitrobenzene-d5	0.447		"	0.910		49.1	22-108					
Surrogate: SURRE: 2-Fluorobiphenyl	0.482		"	0.910		53.0	21-113					
Surrogate: SURRE: Terphenyl-d14	0.490		"	0.910		53.8	24-116					

Matrix Spike Dup (BK11580-1)	Matrix Spike Dup	*Source sample: 21K0523-02 (014_LB-07_5-7)					Prepared & Analyzed: 11/11/2021					
2-Methylnaphthalene	0.504	0.0910	mg/kg dry	0.910	ND	55.4	10-147	8.75	30			
Acenaphthene	0.495	0.0910	"	0.910	ND	54.4	10-146	1.18	30			
Acenaphthylene	0.505	0.0910	"	0.910	ND	55.5	10-134	2.63	30			
Anthracene	0.519	0.0910	"	0.910	ND	57.0	10-142	5.48	30			
Benzo(a)anthracene	0.516	0.0910	"	0.910	ND	56.7	10-158	5.51	30			
Benzo(a)pyrene	0.663	0.0910	"	0.910	ND	72.9	10-180	7.16	30			
Benzo(b)fluoranthene	0.592	0.0910	"	0.910	ND	65.0	10-200	8.19	30			
Benzo(g,h,i)perylene	0.616	0.0910	"	0.910	ND	67.7	10-138	5.71	30			
Benzo(k)fluoranthene	0.616	0.0910	"	0.910	ND	67.7	10-197	5.96	30			
Chrysene	0.495	0.0910	"	0.910	ND	54.4	10-156	5.28	30			
Dibenzo(a,h)anthracene	0.657	0.0910	"	0.910	ND	72.2	10-137	4.99	30			
Fluoranthene	0.513	0.0910	"	0.910	ND	56.4	10-160	1.57	30			
Fluorene	0.509	0.0910	"	0.910	ND	55.9	10-157	3.05	30			
Indeno(1,2,3-cd)pyrene	0.587	0.0910	"	0.910	ND	64.6	10-144	2.38	30			
Naphthalene	0.498	0.0910	"	0.910	ND	54.7	10-141	5.87	30			
Phenanthrene	0.475	0.0910	"	0.910	ND	52.2	10-148	1.23	30			
Pyrene	0.471	0.0910	"	0.910	ND	51.8	10-165	5.40	30			
Surrogate: SURRE: Nitrobenzene-d5	0.498		"	0.910		54.7	22-108					
Surrogate: SURRE: 2-Fluorobiphenyl	0.505		"	0.910		55.5	21-113					
Surrogate: SURRE: Terphenyl-d14	0.522		"	0.910		57.4	24-116					



Polychlorinated Biphenyls by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11581 - EPA 3550C												
Blank (BK11581-BLK2)	Blank								Prepared: 11/11/2021 Analyzed: 11/12/2021			
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	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0382		"	0.0664		57.5	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0279		"	0.0664		42.0	30-120					
LCS (BK11581-BS2)	LCS								Prepared: 11/11/2021 Analyzed: 11/12/2021			
Aroclor 1016	0.166	0.0166	mg/kg wet	0.332		50.1	40-130					
Aroclor 1260	0.183	0.0166	"	0.332		55.1	40-130					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0346		"	0.0664		52.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0259		"	0.0664		39.0	30-120					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11567 - EPA 3050B

Blank (BK11567-BLK1)	Blank	Prepared: 11/10/2021 Analyzed: 11/11/2021									
Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								

Duplicate (BK11567-DUP1)	Duplicate	*Source sample: 21K0523-06 (019_LB-05_8-9) Prepared: 11/10/2021 Analyzed: 11/11/2021									
Arsenic	ND	1.75	mg/kg dry	ND							35
Barium	415	2.92	"	451				8.35			35
Beryllium	ND	0.058	"	ND							35
Cadmium	0.897	0.350	"	0.780				14.0			35
Chromium	123	0.584	"	140				12.9			35
Copper	50.2	2.34	"	50.7				1.03			35
Lead	24.4	0.584	"	18.0				30.5			35
Manganese	539	0.584	"	539				0.00678			35
Nickel	68.9	1.17	"	65.1				5.77			35
Selenium	ND	2.92	"	ND							35
Silver	4.05	0.584	"	3.19				23.6			35
Zinc	153	2.92	"	136				11.4			35

Matrix Spike (BK11567-MS1)	Matrix Spike	*Source sample: 21K0523-06 (019_LB-05_8-9) Prepared: 11/10/2021 Analyzed: 11/11/2021									
Arsenic	260	1.75	mg/kg dry	234	ND	111	75-125				
Barium	690	2.92	"	234	451	102	75-125				
Beryllium	ND	0.058	"	5.84	ND		75-125	Low Bias			
Cadmium	7.55	0.350	"	5.84	0.780	116	75-125				
Chromium	153	0.584	"	23.4	140	54.4	75-125	Low Bias			
Copper	84.6	2.34	"	29.2	50.7	116	75-125				
Lead	88.4	0.584	"	58.4	18.0	121	75-125				
Manganese	668	0.584	"	58.4	539	221	75-125	High Bias			
Nickel	135	1.17	"	58.4	65.1	119	75-125				
Selenium	198	2.92	"	234	ND	84.8	75-125				
Silver	11.1	0.584	"	5.84	3.19	135	75-125	High Bias			
Zinc	208	2.92	"	58.4	136	123	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11567 - EPA 3050B

Post Spike (BK11567-PS1)	Post Spike	*Source sample: 21K0523-06 (019_LB-05_8-9)					Prepared: 11/10/2021 Analyzed: 11/11/2021					
Arsenic		2.34		ug/mL	2.00	-0.011	117	75-125				
Barium		6.13		"	2.00	3.86	113	75-125				
Beryllium		-0.022		"	0.0500	-0.083		75-125	Low Bias			
Cadmium		0.065		"	0.0500	0.007	117	75-125				
Chromium		1.39		"	0.200	1.20	94.3	75-125				
Copper		0.727		"	0.250	0.434	117	75-125				
Lead		0.743		"	0.500	0.154	118	75-125				
Manganese		5.15		"	0.500	4.62	107	75-125				
Nickel		1.17		"	0.500	0.557	123	75-125				
Selenium		1.90		"	2.00	-0.224	94.9	75-125				
Silver		0.079		"	0.0500	0.027	103	75-125				
Zinc		1.69		"	0.500	1.17	105	75-125				

Reference (BK11567-SRM1)	Reference						Prepared: 11/10/2021 Analyzed: 11/11/2021					
Arsenic		184	1.50	mg/kg wet	156		118	69.9-130.1				
Barium		297	2.50	"	239		124	74.9-124.7				
Beryllium		188	0.050	"	169		111	75.1-125.4				
Cadmium		156	0.300	"	137		114	75.2-124.8				
Chromium		181	0.500	"	154		117	70.1-129.9				
Copper		67.3	2.00	"	54.9		123	74.9-125				
Lead		152	0.500	"	130		117	71.8-128.5				
Manganese		330	0.500	"	269		123	74-126.4				
Nickel		75.9	1.00	"	53.9		141	69.9-129.9	High Bias			
Selenium		159	2.50	"	167		95.1	67.7-132.3				
Silver		38.1	0.500	"	33.6		114	68.5-131.3				
Zinc		182	2.50	"	158		115	70.3-129.7				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11692 - EPA SW846-7471B												
Blank (BK11692-BLK1)	Blank							Prepared & Analyzed: 11/12/2021				
Mercury	ND	0.0330	mg/kg wet									
Reference (BK11692-SRM1)	Reference							Prepared & Analyzed: 11/12/2021				
Mercury	15.5	1.65	mg/kg wet	15.4		101	64.2-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11659 - EPA SW846-3060												
Blank (BK11659-BLK1)	Blank								Prepared & Analyzed: 11/12/2021			
Chromium, Hexavalent	ND	0.500	mg/kg wet									
Duplicate (BK11659-DUP1)	Duplicate	*Source sample: 21K0478-02 (Duplicate)								Prepared & Analyzed: 11/12/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet		ND					35		
Matrix Spike (BK11659-MS1)	Matrix Spike	*Source sample: 21K0478-02 (Matrix Spike)								Prepared & Analyzed: 11/12/2021		
Chromium, Hexavalent	15.2	0.500	mg/kg wet	20.0	ND	75.8	75-125					
Reference (BK11659-SRM1)	Reference								Prepared & Analyzed: 11/12/2021			
Chromium, Hexavalent	88.3		mg/L	109		81.0	30-169.7					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11671 - % Solids Prep

Duplicate (BK11671-DUP1)	Duplicate	*Source sample: 21K0523-06 (019_LB-05_8-9)						Prepared & Analyzed: 11/12/2021			
% Solids	85.2	0.100	%		85.6				0.532	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21K0523-01	015_LB-07_0-2	40mL Vial with Stir Bar-Cool 4° C
21K0523-02	014_LB-07_5-7	40mL Vial with Stir Bar-Cool 4° C
21K0523-03	016_LB-04_0-2	40mL Vial with Stir Bar-Cool 4° C
21K0523-04	017_LB-04_6.5-7.5	40mL Vial with Stir Bar-Cool 4° C
21K0523-05	018_LB-05_6.5-8	40mL Vial with Stir Bar-Cool 4° C
21K0523-06	019_LB-05_8-9	40mL Vial with Stir Bar-Cool 4° C
21K0523-07	031_LBTB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 clientservices@yorklab.com www.yorklab.com 800-308-YORK 800-308-9675 Page 2 of 2

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>LANGAN</u>	Company: <u>LANGAN</u>	Company: <u>LANGAN</u>	Company: <u>LANGAN</u>	CT RCP	Standard Excel EDD	RUSH - Next Day	100965701	RUSH - Two Day	X
Address: <u>300 Kimball Dr. Parsippany, NJ</u>	Address: <u>LANGAN</u>	Address: <u>LANGAN</u>	Address: <u>LANGAN</u>	CT RCP DQ/DUE	EQUIS (Standard)	RUSH - Three Day		RUSH - Four Day	
Phone: <u>937 500 4900</u>	Phone: <u>LANGAN</u>	Phone: <u>LANGAN</u>	Phone: <u>LANGAN</u>	<u>NUDEP Reduced Deliverables</u>	NYSDEC EQUIS	Standard (5-7 Day)			
Contact: <u>Amber Farnburg</u>	Contact: <u>LANGAN</u>	Contact: <u>LANGAN</u>	Contact: <u>LANGAN</u>	NY ASP B Package	NUDEP SRP HazSite				
E-mail: <u>afarnburg@langan.com</u>	E-mail: <u>LANGAN</u>	E-mail: <u>LANGAN</u>	E-mail: <u>LANGAN</u>	Other: <u>NUDKOP</u>	Other:				

YOUR Project Name
1487 1st Avenue

YOUR PO#:

Report / EDD Type (circle selections)

<input checked="" type="checkbox"/> Summary Report	CT RCP	Standard Excel EDD
<input type="checkbox"/> QA Report	CT RCP DQ/DUE	EQUIS (Standard)
<input type="checkbox"/> NY ASP-A Package	<u>NUDEP Reduced Deliverables</u>	NYSDEC EQUIS
<input type="checkbox"/> NY ASP B Package	NUDEP SRP HazSite	Other:

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
<u>S</u> - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	<input type="checkbox"/> QA Report	
DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP-A Package	
WW - wastewater	Pennsylvania	<input type="checkbox"/> NY ASP B Package	
O - Oil	Other:		

Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
<u>S</u>	<u>11/10/21 1115</u>	<u>VOCs, PAHs, Metals + PCBs</u>	
<u>S</u>	<u>1120</u>	<u>+ PCBs</u>	
<u>S</u>	<u>1240</u>		
<u>S</u>	<u>1445</u>		
<u>S</u>	<u>1530</u>		
<u>S</u>	<u>1535</u>		
<u>AW</u>	<u>1620</u>	<u>VOCs</u>	

Comments: 2 DAM TAT

Preservation: (check all that apply)

HCl MeOH HNO3 H2SO4 NaOH

ZnAc Ascorbic Acid Other:

1. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
<u>Langan</u>	<u>11/10/21 1710</u>	<u>Langan</u>	<u>11/10/21 1820</u>
<u>Langan</u>	<u>11/10/21 1820</u>	<u>Langan</u>	<u>11/10/21 2108</u>

3. Samples Relinquished by / Company	Date/Time	4. Samples Relinquished by / Company	Date/Time
<u>Langan</u>	<u>11/10/21 1820</u>	<u>Langan</u>	<u>11/10/21 2108</u>



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 11/12/2021

Client Project ID: 100963701

York Project (SDG) No.: 21K0526



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/12/2021
Client Project ID: 100963701
York Project (SDG) No.: 21K0526

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 November 11, 2021 and listed below. The project was identified as your project: **100963701**.

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>
21K0526-01	026_SVDUP	Soil Vapor	11/10/2021	11/11/2021
21K0526-02	027_SV-01	Soil Vapor	11/10/2021	11/11/2021
21K0526-03	025_SV-02	Soil Vapor	11/10/2021	11/11/2021
21K0526-04	028_SV-03	Soil Vapor	11/10/2021	11/11/2021
21K0526-05	029_SV-04	Soil Vapor	11/10/2021	11/11/2021

General Notes for York Project (SDG) No.: 21K0526

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: 11/12/2021





Sample Information

Client Sample ID: 026_SVDUP

York Sample ID: 21K0526-01

<u>York Project (SDG) No.</u> 21K0526	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> November 10, 2021 2:07 pm	<u>Date Received</u> 11/11/2021
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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	1.00	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.796	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.00	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.12	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.796	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.590	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.289	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.08	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
95-63-6	1,2,4-Trimethylbenzene	12.5		ug/m ³	0.717	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.12	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.877	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.590	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.674	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.02	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
108-67-8	1,3,5-Trimethylbenzene	3.01		ug/m ³	0.717	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.968	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.877	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.674	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.877	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.05	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
78-93-3	2-Butanone	8.21		ug/m ³	0.430	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ



Sample Information

Client Sample ID: 026_SVDUP

York Sample ID: 21K0526-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:07 pm

11/11/2021

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
591-78-6	* 2-Hexanone	ND		ug/m ³	1.19	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.28	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.597	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
67-64-1	Acetone	68.6		ug/m ³	0.693	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.316	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
71-43-2	Benzene	2.65		ug/m ³	0.466	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.755	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.977	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.51	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.566	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-15-0	Carbon disulfide	49.2		ug/m ³	0.454	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
56-23-5	Carbon tetrachloride	0.367		ug/m ³	0.229	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.671	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.385	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
67-66-3	Chloroform	1.71		ug/m ³	0.712	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.301	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.289	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.662	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
110-82-7	Cyclohexane	0.703		ug/m ³	0.502	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.24	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-71-8	Dichlorodifluoromethane	52.9		ug/m ³	0.721	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.05	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ



Sample Information

Client Sample ID: 026_SVDUP

York Sample ID: 21K0526-01

<u>York Project (SDG) No.</u> 21K0526	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> November 10, 2021 2:07 pm	<u>Date Received</u> 11/11/2021
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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
100-41-4	Ethyl Benzene	7.47		ug/m ³	0.633	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.55	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
67-63-0	Isopropanol	1.97		ug/m ³	0.717	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.597	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.526	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-09-2	Methylene chloride	2.43		ug/m ³	1.01	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
91-20-3	* Naphthalene	ND		ug/m ³	1.53	1.458	EPA TO-15 Certifications: NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
142-82-5	n-Heptane	2.57		ug/m ³	0.598	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
110-54-3	n-Hexane	6.73		ug/m ³	0.514	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
95-47-6	o-Xylene	11.7		ug/m ³	0.633	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
179601-23-1	p- & m- Xylenes	40.1		ug/m ³	1.27	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
622-96-8	* p-Ethyltoluene	11.5		ug/m ³	0.717	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ
115-07-1	* Propylene	31.3		ug/m ³	0.251	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ
100-42-5	Styrene	ND		ug/m ³	0.621	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
127-18-4	Tetrachloroethylene	4.65		ug/m ³	0.989	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.860	1.458	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 21:29	LLJ
108-88-3	Toluene	25.7		ug/m ³	0.549	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.578	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.662	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
79-01-6	Trichloroethylene	0.627		ug/m ³	0.196	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.56		ug/m ³	0.819	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.513	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ



Sample Information

Client Sample ID: 026_SVDUP

York Sample ID: 21K0526-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:07 pm

11/11/2021

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
593-60-2	Vinyl bromide	ND		ug/m ³	0.638	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.186	1.458	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 21:29	LLJ





Sample Information

Client Sample ID: 027_SV-01

York Sample ID: 21K0526-02

<u>York Project (SDG) No.</u> 21K0526	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> November 10, 2021 2:07 pm	<u>Date Received</u> 11/11/2021
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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	1.21	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.961	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.21	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.35	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.961	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.713	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.349	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.31	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
95-63-6	1,2,4-Trimethylbenzene	13.8		ug/m ³	0.866	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.35	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.06	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.713	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.814	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.23	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
108-67-8	1,3,5-Trimethylbenzene	1.65		ug/m ³	0.866	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.17	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.06	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.814	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.06	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.27	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
78-93-3	2-Butanone	8.47		ug/m ³	0.520	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.44	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ



Sample Information

Client Sample ID: 027_SV-01

York Sample ID: 21K0526-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:07 pm

11/11/2021

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	2.76	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.722	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
67-64-1	Acetone	69.8		ug/m ³	0.837	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.382	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
71-43-2	Benzene	2.76		ug/m ³	0.563	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.912	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.18	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.82	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.684	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-15-0	Carbon disulfide	48.6		ug/m ³	0.549	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
56-23-5	Carbon tetrachloride	0.443		ug/m ³	0.277	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.811	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.465	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
67-66-3	Chloroform	1.81		ug/m ³	0.860	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.364	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.349	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.800	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
110-82-7	Cyclohexane	0.667		ug/m ³	0.607	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.50	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-71-8	Dichlorodifluoromethane	54.6		ug/m ³	0.871	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.27	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ
100-41-4	Ethyl Benzene	7.96		ug/m ³	0.765	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ



Sample Information

Client Sample ID: 027_SV-01

York Sample ID: 21K0526-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:07 pm

11/11/2021

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	1.88	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
67-63-0	Isopropanol	2.17		ug/m ³	0.866	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
80-62-6	Methyl Methacrylate	0.721		ug/m ³	0.721	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.635	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.22	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
91-20-3	* Naphthalene	ND		ug/m ³	1.85	1.762	EPA TO-15 Certifications: NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
142-82-5	n-Heptane	2.53		ug/m ³	0.722	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
110-54-3	n-Hexane	6.65		ug/m ³	0.621	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
95-47-6	o-Xylene	12.5		ug/m ³	0.765	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
179601-23-1	p- & m- Xylenes	43.1		ug/m ³	1.53	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
622-96-8	* p-Ethyltoluene	12.2		ug/m ³	0.866	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ
115-07-1	* Propylene	32.1		ug/m ³	0.303	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ
100-42-5	Styrene	ND		ug/m ³	0.751	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
127-18-4	Tetrachloroethylene	4.78		ug/m ³	1.20	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.04	1.762	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 15:49	LLJ
108-88-3	Toluene	27.9		ug/m ³	0.664	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.699	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.800	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
79-01-6	Trichloroethylene	0.663		ug/m ³	0.237	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.68		ug/m ³	0.990	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.620	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.771	1.762	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 15:49	LLJ



Sample Information

Client Sample ID: 027_SV-01

York Sample ID: 21K0526-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:07 pm

11/11/2021

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.225	1.762	EPA TO-15	11/11/2021 02:00	11/11/2021 15:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: 025_SV-02

York Sample ID: 21K0526-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 1:40 pm

11/11/2021

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	12.4	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.85	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12.4	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	13.8	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.85	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.31	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	3.58	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13.4	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
95-63-6	1,2,4-Trimethylbenzene	18.6		ug/m ³	8.88	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	13.9	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	10.9	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.31	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.35	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12.6	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.88	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	12.0	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	10.9	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.35	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	10.9	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	13.0	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
78-93-3	2-Butanone	ND		ug/m ³	5.33	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	14.8	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ



Sample Information

Client Sample ID: 025_SV-02

York Sample ID: 21K0526-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 1:40 pm

11/11/2021

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	28.3	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.40	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
67-64-1	Acetone	23.6		ug/m ³	8.58	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	3.92	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
71-43-2	Benzene	ND		ug/m ³	5.77	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	9.35	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	12.1	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-25-2	Bromoform	ND		ug/m ³	18.7	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
74-83-9	Bromomethane	ND		ug/m ³	7.01	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	5.62	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.84	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	8.31	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-00-3	Chloroethane	ND		ug/m ³	4.77	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
67-66-3	Chloroform	ND		ug/m ³	8.82	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
74-87-3	Chloromethane	ND		ug/m ³	3.73	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
156-59-2	cis-1,2-Dichloroethylene	6.44		ug/m ³	3.58	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.20	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
110-82-7	Cyclohexane	33.6		ug/m ³	6.22	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	15.4	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-71-8	Dichlorodifluoromethane	34.8		ug/m ³	8.93	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	13.0	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ
100-41-4	Ethyl Benzene	13.3		ug/m ³	7.84	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ



Sample Information

Client Sample ID: 025_SV-02

York Sample ID: 21K0526-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 1:40 pm

11/11/2021

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	19.3	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
67-63-0	Isopropanol	ND		ug/m ³	8.88	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.39	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.51	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	12.5	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
91-20-3	* Naphthalene	ND		ug/m ³	18.9	18.06	EPA TO-15 Certifications: NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
142-82-5	n-Heptane	ND		ug/m ³	7.40	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
110-54-3	n-Hexane	ND		ug/m ³	6.37	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
95-47-6	o-Xylene	23.5		ug/m ³	7.84	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
179601-23-1	p- & m- Xylenes	69.8		ug/m ³	15.7	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
622-96-8	* p-Ethyltoluene	17.8		ug/m ³	8.88	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ
115-07-1	* Propylene	ND		ug/m ³	3.11	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ
100-42-5	Styrene	ND		ug/m ³	7.69	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
127-18-4	Tetrachloroethylene	8610		ug/m ³	24.5	36.12	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 13:43	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	10.7	18.06	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 09:41	LLJ
108-88-3	Toluene	45.6		ug/m ³	6.81	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.16	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.20	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
79-01-6	Trichloroethylene	489		ug/m ³	2.43	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10.1	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	6.36	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	7.90	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ



Sample Information

Client Sample ID: 025_SV-02

York Sample ID: 21K0526-03

York Project (SDG) No.
21K0526

Client Project ID
100963701

Matrix
Soil Vapor

Collection Date/Time
November 10, 2021 1:40 pm

Date Received
11/11/2021

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
75-01-4	Vinyl Chloride	ND		ug/m ³	2.31	18.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 09:41	LLJ



Sample Information

Client Sample ID: 028_SV-03

York Sample ID: 21K0526-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:15 pm

11/11/2021

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	1.32	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.05	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.32	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.48	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.05	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.781	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.382	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.43	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
95-63-6	1,2,4-Trimethylbenzene	21.9		ug/m ³	0.948	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.48	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.16	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.781	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.891	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.35	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
108-67-8	1,3,5-Trimethylbenzene	5.12		ug/m ³	0.948	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.28	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.16	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.891	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.16	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.39	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
78-93-3	2-Butanone	11.5		ug/m ³	0.569	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.58	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ



Sample Information

Client Sample ID: 028_SV-03

York Sample ID: 21K0526-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:15 pm

11/11/2021

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	3.02	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.790	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
67-64-1	Acetone	109		ug/m ³	0.916	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.419	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
71-43-2	Benzene	1.79		ug/m ³	0.616	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.999	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.29	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.99	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.749	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-15-0	Carbon disulfide	25.4		ug/m ³	0.601	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
56-23-5	Carbon tetrachloride	0.364		ug/m ³	0.303	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.888	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.509	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
67-66-3	Chloroform	4.24		ug/m ³	0.942	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.398	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.382	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.876	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
110-82-7	Cyclohexane	4.45		ug/m ³	0.664	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.64	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-71-8	Dichlorodifluoromethane	85.7		ug/m ³	0.954	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.39	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ
100-41-4	Ethyl Benzene	12.8		ug/m ³	0.838	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ



Sample Information

Client Sample ID: 028_SV-03

York Sample ID: 21K0526-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:15 pm

11/11/2021

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	2.06	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
67-63-0	Isopropanol	1.09		ug/m ³	0.948	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.790	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.695	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-09-2	Methylene chloride	2.95		ug/m ³	1.34	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
91-20-3	* Naphthalene	ND		ug/m ³	2.02	1.929	EPA TO-15 Certifications: NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
142-82-5	n-Heptane	3.16		ug/m ³	0.791	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
110-54-3	n-Hexane	6.66		ug/m ³	0.680	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
95-47-6	o-Xylene	20.5		ug/m ³	0.838	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
179601-23-1	p- & m- Xylenes	70.0		ug/m ³	1.68	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
622-96-8	* p-Ethyltoluene	20.0		ug/m ³	0.948	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.332	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ
100-42-5	Styrene	ND		ug/m ³	0.822	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
127-18-4	Tetrachloroethylene	8.50		ug/m ³	1.31	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.14	1.929	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 14:46	LLJ
108-88-3	Toluene	39.5		ug/m ³	0.727	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.765	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.876	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
79-01-6	Trichloroethylene	0.518		ug/m ³	0.259	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.84		ug/m ³	1.08	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.679	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.844	1.929	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 14:46	LLJ



Sample Information

Client Sample ID: 028_SV-03

York Sample ID: 21K0526-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:15 pm

11/11/2021

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.247	1.929	EPA TO-15	11/11/2021 02:00	11/11/2021 14:46	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: 029_SV-04

York Sample ID: 21K0526-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:20 pm

11/11/2021

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	4.16	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	3.31	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.16	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	4.65	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.31	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.45	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.20	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	4.50	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
95-63-6	1,2,4-Trimethylbenzene	16.7		ug/m ³	2.98	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	4.66	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	3.65	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.45	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.80	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	4.24	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	2.98	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	4.02	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	3.65	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	2.80	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	3.65	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	4.37	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
78-93-3	2-Butanone	3.58		ug/m ³	1.79	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	4.97	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ



Sample Information

Client Sample ID: 029_SV-04

York Sample ID: 21K0526-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:20 pm

11/11/2021

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	9.49	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	2.48	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
67-64-1	Acetone	63.2		ug/m ³	2.88	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.32	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
71-43-2	Benzene	2.13		ug/m ³	1.94	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.14	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	4.06	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-25-2	Bromoform	ND		ug/m ³	6.27	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
74-83-9	Bromomethane	ND		ug/m ³	2.35	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-15-0	Carbon disulfide	4.72		ug/m ³	1.89	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.954	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	2.79	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.60	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
67-66-3	Chloroform	2.96		ug/m ³	2.96	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.25	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.20	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.75	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	2.09	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	5.17	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-71-8	Dichlorodifluoromethane	1180		ug/m ³	3.00	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	4.37	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ
100-41-4	Ethyl Benzene	10.3		ug/m ³	2.63	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ



Sample Information

Client Sample ID: 029_SV-04

York Sample ID: 21K0526-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21K0526

100963701

Soil Vapor

November 10, 2021 2:20 pm

11/11/2021

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	6.47	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
67-63-0	Isopropanol	ND		ug/m ³	2.98	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.48	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.19	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	4.21	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
91-20-3	* Naphthalene	ND		ug/m ³	6.36	6.064	EPA TO-15 Certifications: NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
142-82-5	n-Heptane	ND		ug/m ³	2.49	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
110-54-3	n-Hexane	2.99		ug/m ³	2.14	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
95-47-6	o-Xylene	15.8		ug/m ³	2.63	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
179601-23-1	p- & m- Xylenes	56.9		ug/m ³	5.27	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
622-96-8	* p-Ethyltoluene	14.6		ug/m ³	2.98	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ
115-07-1	* Propylene	16.4		ug/m ³	1.04	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ
100-42-5	Styrene	ND		ug/m ³	2.58	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
127-18-4	Tetrachloroethylene	13.2		ug/m ³	4.11	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	3.58	6.064	EPA TO-15 Certifications:	11/11/2021 02:00	11/11/2021 16:46	LLJ
108-88-3	Toluene	35.6		ug/m ³	2.29	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.40	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	2.75	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.815	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	3.41	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.14	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	2.65	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ



Sample Information

Client Sample ID: 029_SV-04

York Sample ID: 21K0526-05

York Project (SDG) No. 21K0526

Client Project ID 100963701

Matrix Soil Vapor

Collection Date/Time November 10, 2021 2:20 pm

Date Received 11/11/2021

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.775	6.064	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	11/11/2021 02:00	11/11/2021 16:46	LLJ



Analytical Batch Summary

Batch ID: BK11648

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
21K0526-01	026_SVDUP	11/11/21
21K0526-02	027_SV-01	11/11/21
21K0526-03	025_SV-02	11/11/21
21K0526-03RE1	025_SV-02	11/11/21
21K0526-04	028_SV-03	11/11/21
21K0526-05	029_SV-04	11/11/21
BK11648-BLK1	Blank	11/11/21
BK11648-BS1	LCS	11/11/21
BK11648-DUP1	Duplicate	11/11/21



Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11648 - EPA TO15 PREP

Blank (BK11648-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
Naphthalene	ND	1.05	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11648 - EPA TO15 PREP

Blank (BK11648-BLK1)	Blank	Prepared & Analyzed: 11/11/2021									
n-Heptane	ND	0.410	ug/m ³								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								

LCS (BK11648-BS1)	LCS	Prepared & Analyzed: 11/11/2021									
1,1,1,2-Tetrachloroethane	10.4	ppbv	10.0	104	70-130						
1,1,1-Trichloroethane	12.9	"	10.0	129	70-130						
1,1,2,2-Tetrachloroethane	8.16	"	10.0	81.6	70-130						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.60	"	10.0	96.0	70-130						
1,1,2-Trichloroethane	9.48	"	10.0	94.8	70-130						
1,1-Dichloroethane	9.61	"	10.0	96.1	70-130						
1,1-Dichloroethylene	10.3	"	10.0	103	70-130						
1,2,4-Trichlorobenzene	10.6	"	10.0	106	70-130						
1,2,4-Trimethylbenzene	10.5	"	10.0	105	70-130						
1,2-Dibromoethane	9.77	"	10.0	97.7	70-130						
1,2-Dichlorobenzene	9.10	"	10.0	91.0	70-130						
1,2-Dichloroethane	12.8	"	10.0	128	70-130						
1,2-Dichloropropane	9.02	"	10.0	90.2	70-130						
1,2-Dichlorotetrafluoroethane	12.5	"	10.0	125	70-130						
1,3,5-Trimethylbenzene	10.4	"	10.0	104	70-130						
1,3-Butadiene	13.1	"	10.0	131	70-130	High Bias					
1,3-Dichlorobenzene	9.77	"	10.0	97.7	70-130						
1,3-Dichloropropane	9.55	"	10.0	95.5	70-130						
1,4-Dichlorobenzene	10.0	"	10.0	100	70-130						
1,4-Dioxane	9.26	"	10.0	92.6	70-130						
2-Butanone	9.95	"	10.0	99.5	70-130						
2-Hexanone	11.6	"	10.0	116	70-130						
3-Chloropropene	10.5	"	10.0	105	70-130						
4-Methyl-2-pentanone	10.6	"	10.0	106	70-130						
Acetone	9.40	"	10.0	94.0	70-130						
Acrylonitrile	8.58	"	10.0	85.8	70-130						
Benzene	9.22	"	10.0	92.2	70-130						
Benzyl chloride	8.75	"	10.0	87.5	70-130						
Bromodichloromethane	11.7	"	10.0	117	70-130						
Bromoform	11.2	"	10.0	112	70-130						
Bromomethane	8.09	"	10.0	80.9	70-130						
Carbon disulfide	8.40	"	10.0	84.0	70-130						



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11648 - EPA TO15 PREP

LCS (BK11648-BS1)	LCS										
											Prepared & Analyzed: 11/11/2021
Carbon tetrachloride	13.0		ppbv	10.0		130	70-130				
Chlorobenzene	8.56		"	10.0		85.6	70-130				
Chloroethane	7.80		"	10.0		78.0	70-130				
Chloroform	10.8		"	10.0		108	70-130				
Chloromethane	13.3		"	10.0		133	70-130	High Bias			
cis-1,2-Dichloroethylene	9.72		"	10.0		97.2	70-130				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130				
Cyclohexane	9.74		"	10.0		97.4	70-130				
Dibromochloromethane	11.5		"	10.0		115	70-130				
Dichlorodifluoromethane	12.0		"	10.0		120	70-130				
Ethyl acetate	10.4		"	10.0		104	70-130				
Ethyl Benzene	9.64		"	10.0		96.4	70-130				
Hexachlorobutadiene	10.0		"	10.0		100	70-130				
Isopropanol	8.88		"	10.0		88.8	70-130				
Methyl Methacrylate	10.3		"	10.0		103	70-130				
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	70-130				
Methylene chloride	9.88		"	10.0		98.8	70-130				
Naphthalene	9.30		"	10.0		93.0	70-130				
n-Heptane	10.8		"	10.0		108	70-130				
n-Hexane	9.22		"	10.0		92.2	70-130				
o-Xylene	10.3		"	10.0		103	70-130				
p- & m- Xylenes	21.2		"	20.0		106	70-130				
p-Ethyltoluene	10.4		"	10.0		104	70-130				
Propylene	8.54		"	10.0		85.4	70-130				
Styrene	9.88		"	10.0		98.8	70-130				
Tetrachloroethylene	9.89		"	10.0		98.9	70-130				
Tetrahydrofuran	9.49		"	10.0		94.9	70-130				
Toluene	9.27		"	10.0		92.7	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	11.7		"	10.0		117	70-130				
Trichloroethylene	9.17		"	10.0		91.7	70-130				
Trichlorofluoromethane (Freon 11)	12.4		"	10.0		124	70-130				
Vinyl acetate	10.5		"	10.0		105	70-130				
Vinyl bromide	9.10		"	10.0		91.0	70-130				
Vinyl Chloride	12.3		"	10.0		123	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK11648 - EPA TO15 PREP												
Duplicate (BK11648-DUP1)	Duplicate	*Source sample: 21K0526-02 (027_SV-01)						Prepared & Analyzed: 11/11/2021				
1,1,1,2-Tetrachloroethane	ND	1.21	ug/m ³		ND					25		
1,1,1-Trichloroethane	ND	0.961	"		ND					25		
1,1,2,2-Tetrachloroethane	ND	1.21	"		ND					25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.35	"		ND					25		
1,1,2-Trichloroethane	ND	0.961	"		ND					25		
1,1-Dichloroethane	ND	0.713	"		ND					25		
1,1-Dichloroethylene	ND	0.349	"		ND					25		
1,2,4-Trichlorobenzene	ND	1.31	"		ND					25		
1,2,4-Trimethylbenzene	13.9	0.866	"		13.8				0.627	25		
1,2-Dibromoethane	ND	1.35	"		ND					25		
1,2-Dichlorobenzene	ND	1.06	"		ND					25		
1,2-Dichloroethane	ND	0.713	"		ND					25		
1,2-Dichloropropane	ND	0.814	"		ND					25		
1,2-Dichlorotetrafluoroethane	ND	1.23	"		ND					25		
1,3,5-Trimethylbenzene	3.29	0.866	"		1.65				66.7	25	Non-dir.	
1,3-Butadiene	ND	1.17	"		ND					25		
1,3-Dichlorobenzene	ND	1.06	"		ND					25		
1,3-Dichloropropane	ND	0.814	"		ND					25		
1,4-Dichlorobenzene	ND	1.06	"		ND					25		
1,4-Dioxane	ND	1.27	"		ND					25		
2-Butanone	8.37	0.520	"		8.47				1.23	25		
2-Hexanone	ND	1.44	"		ND					25		
3-Chloropropene	ND	2.76	"		ND					25		
4-Methyl-2-pentanone	ND	0.722	"		ND					25		
Acetone	71.4	0.837	"		69.8				2.19	25		
Acrylonitrile	ND	0.382	"		ND					25		
Benzene	2.76	0.563	"		2.76				0.00	25		
Benzyl chloride	ND	0.912	"		ND					25		
Bromodichloromethane	ND	1.18	"		ND					25		
Bromoform	ND	1.82	"		ND					25		
Bromomethane	ND	0.684	"		ND					25		
Carbon disulfide	50.3	0.549	"		48.6				3.44	25		
Carbon tetrachloride	0.333	0.277	"		0.443				28.6	25	Non-dir.	
Chlorobenzene	ND	0.811	"		ND					25		
Chloroethane	ND	0.465	"		ND					25		
Chloroform	1.81	0.860	"		1.81				0.00	25		
Chloromethane	ND	0.364	"		ND					25		
cis-1,2-Dichloroethylene	ND	0.349	"		0.279					25		
cis-1,3-Dichloropropylene	ND	0.800	"		ND					25		
Cyclohexane	0.728	0.607	"		0.667				8.70	25		
Dibromochloromethane	ND	1.50	"		ND					25		
Dichlorodifluoromethane	54.0	0.871	"		54.6				1.12	25		
Ethyl acetate	ND	1.27	"		ND					25		
Ethyl Benzene	8.26	0.765	"		7.96				3.77	25		
Hexachlorobutadiene	ND	1.88	"		ND					25		
Isopropanol	2.25	0.866	"		2.17				3.92	25		
Methyl Methacrylate	0.361	0.721	"		0.721				66.7	25	Non-dir.	
Methyl tert-butyl ether (MTBE)	ND	0.635	"		ND					25		
Methylene chloride	1.16	1.22	"		1.16				0.00	25		
Naphthalene	1.20	1.85	"		1.11				8.00	25		
n-Heptane	2.82	0.722	"		2.53				10.8	25		



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK11648 - EPA TO15 PREP

Duplicate (BK11648-DUP1)	Duplicate	*Source sample: 21K0526-02 (027_SV-01)				Prepared & Analyzed: 11/11/2021					
n-Hexane		6.58	0.621	ug/m ³	6.65					0.939	25
o-Xylene		12.9	0.765	"	12.5					3.00	25
p- & m- Xylenes		43.8	1.53	"	43.1					1.59	25
p-Ethyltoluene		12.4	0.866	"	12.2					1.41	25
Propylene		33.0	0.303	"	32.1					2.61	25
Styrene		ND	0.751	"	ND						25
Tetrachloroethylene		4.78	1.20	"	4.78					0.00	25
Tetrahydrofuran		1.35	1.04	"	ND						25
Toluene		28.9	0.664	"	27.9					3.51	25
trans-1,2-Dichloroethylene		ND	0.699	"	ND						25
trans-1,3-Dichloropropylene		ND	0.800	"	ND						25
Trichloroethylene		0.663	0.237	"	0.663					0.00	25
Trichlorofluoromethane (Freon 11)		1.78	0.990	"	1.68					5.71	25
Vinyl acetate		ND	0.620	"	ND						25
Vinyl bromide		ND	0.771	"	ND						25
Vinyl Chloride		ND	0.225	"	ND						25





Sample and Data Qualifiers Relating to This Work Order

- TO-LCS-H The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

Definitions and Other Explanations

- * Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





York Analytical Laboratories, Inc.
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 Stratford, CT 06615
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 www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.
 21 K0526

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

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGAN	Company:	Company:	Company:	Company:	Company:	100963701	RUSH - Next Day	RUSH - Next Day	X
Address: 300 KIMBALL DR, PAUSIPPANY NJ 07054	Address:	Address:	Address:	Address:	Address:		RUSH - Two Day	RUSH - Two Day	
Phone: 973 580 1490	Phone:	Phone:	Phone:	Phone:	Phone:		RUSH - Three Day	RUSH - Three Day	
Contact: Amanda Esberg	Contact:	Contact:	Contact:	Contact:	Contact:		RUSH - Four Day	RUSH - Four Day	
E-mail: a.esberg@langan.com	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:		Standard (5-7 Day)	Standard (5-7 Day)	

Air Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.		
AI - Indoor Ambient Air	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)			
AO - Outdoor Amb. Air	New Jersey	QA Report	CT RCP DOA/DUE	EQUIS (Standard)				
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	NY ASP A Package	<u>NJDEP Reduced Deliv.</u>	NYSDEC EQUIS				
AS - Soil Vapor/Sub-Slab	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite				
	Other	Other:						

Certified Canisters: Batch _____ Individual _____				Reporting Units: ug/m ³ _____ ppbv _____ ppmv _____			
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
026-SVDUP	11/10/21 1407	AS	30	5	10041	5605	10-15, VOCs
027-SV-01	11/10/21 1407	AS	30	10	37798	6879	
025-SV-02	11/10/21 1340	AS	30	5	115227	5612	
028-SV-03	11/10/21 1415	AS	30	10	28848	7092	
029-SV-04	11/10/21 1420	AS	27	3	23157	5417	

Comments: 2 DAY TAT

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Sampling Media
LANGAN	11/10/21 1710	JR Langan	11/10/21 17:10	6 Liter Canister
Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time	Tedlar Bag
Samples Relinquished by / Company	Date/Time	Samples Received in LAB by	Date/Time	
		ES Langan (TRP)	11/11/21 10:08	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Amanda Forsburg

Report Date: 01/31/2022

Client Project ID: 100963701

York Project (SDG) No.: 22A0992



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: 01/31/2022
Client Project ID: 100963701
York Project (SDG) No.: 22A0992

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 January 25, 2022 and listed below. The project was identified as your project: **100963701**.

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>
22A0992-01	037_LSB-9_0-2	Soil	01/25/2022	01/25/2022
22A0992-02	038_LSB-9_4-6	Soil	01/25/2022	01/25/2022
22A0992-03	039_LSB-10_0-2	Soil	01/25/2022	01/25/2022
22A0992-04	040_DUP-1	Soil	01/25/2022	01/25/2022
22A0992-05	041_LSB-10_4-6	Soil	01/25/2022	01/25/2022
22A0992-06	042_LSB-11_0-2	Soil	01/25/2022	01/25/2022
22A0992-07	043_LSB-11_2-4	Soil	01/25/2022	01/25/2022
22A0992-08	044_TB_20220125	Water	01/25/2022	01/25/2022
22A0992-09	045_FB_20220125	Water	01/25/2022	01/25/2022

General Notes for York Project (SDG) No.: 22A0992

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: 01/31/2022





Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 11:15 am	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:01	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	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	01/26/2022 06:37	01/26/2022 18:01	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	01/26/2022 06:37	01/26/2022 18:01	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	01/26/2022 06:37	01/26/2022 18:01	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	01/26/2022 06:37	01/26/2022 18:01	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	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	01/26/2022 06:37	01/26/2022 18:01	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:15 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like 1,4-Dioxane, 2,2-Dichloropropane, etc., with their respective results and analysis details.



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 11:15 am	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
75-09-2	Methylene chloride	0.0085	J	mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	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	01/26/2022 06:37	01/26/2022 18:01	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:15 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:01	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:01	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	99.9 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.2 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH





Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 11:15 am	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:15 am

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
62-53-3	Aniline	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
92-87-5	Benzidine	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:15 am

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:15 am

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
108-95-2	Phenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
110-86-1	Pyridine	ND		mg/kg dry	0.210	0.419	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/28/2022 01:15	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	43.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	48.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	50.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	52.4 %			24-116						

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	21900		mg/kg dry	6.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-36-0	Antimony	5.65		mg/kg dry	3.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-39-3	Barium	161		mg/kg dry	3.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.378	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-70-2	Calcium	1200		mg/kg dry	6.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-47-3	Chromium	35.2		mg/kg dry	0.629	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-48-4	Cobalt	18.6		mg/kg dry	0.504	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-50-8	Copper	38.5		mg/kg dry	2.52	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH



Sample Information

Client Sample ID: 037_LSB-9_0-2

York Sample ID: 22A0992-01

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 11:15 am	<u>Date Received</u> 01/25/2022
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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	28600		mg/kg dry	31.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7439-92-1	Lead	15.3		mg/kg dry	0.629	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7439-95-4	Magnesium	5410		mg/kg dry	6.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7439-96-5	Manganese	881		mg/kg dry	0.629	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-02-0	Nickel	36.2		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-09-7	Potassium	4320	B	mg/kg dry	6.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7782-49-2	Selenium	ND		mg/kg dry	3.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-22-4	Silver	0.944		mg/kg dry	0.629	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-23-5	Sodium	253		mg/kg dry	62.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-28-0	Thallium	ND		mg/kg dry	3.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-62-2	Vanadium	48.4		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH
7440-66-6	Zinc	72.5		mg/kg dry	3.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:24	RTH

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	0.0378	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 15:43	KT

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	79.4		%	0.100	1	SM 2540G Certifications: CTDOH	01/26/2022 11:30	01/26/2022 14:37	MEW



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 11:20 am	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:28	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:28	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:28	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-09-2	Methylene chloride	0.0044	J	mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:28	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:28	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	97.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.4 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH





Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 11:20 am	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 17:32	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	45.7 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	50.9 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	53.8 %			24-116						

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	9880		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-36-0	Antimony	3.33		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-39-3	Barium	89.5		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-70-2	Calcium	1740		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-47-3	Chromium	24.3		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-48-4	Cobalt	12.6		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-50-8	Copper	27.7		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH



Sample Information

Client Sample ID: 038_LSB-9_4-6

York Sample ID: 22A0992-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 11:20 am

01/25/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	20600		mg/kg dry	28.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7439-92-1	Lead	7.30		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7439-95-4	Magnesium	4150		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7439-96-5	Manganese	192		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-02-0	Nickel	34.8		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-09-7	Potassium	3410	B	mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-23-5	Sodium	127		mg/kg dry	57.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-62-2	Vanadium	28.0		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH
7440-66-6	Zinc	49.5		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:26	RTH

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	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 15:53	KT

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	87.5		%	0.100	1	SM 2540G Certifications: CTDOH	01/26/2022 11:30	01/26/2022 14:37	MEW





Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:30 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:56	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	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	01/26/2022 06:37	01/26/2022 18:56	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	01/26/2022 06:37	01/26/2022 18:56	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	01/26/2022 06:37	01/26/2022 18:56	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	01/26/2022 06:37	01/26/2022 18:56	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	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	01/26/2022 06:37	01/26/2022 18:56	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:30 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:56	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
67-64-1	Acetone	0.0083	ICV-E, J	mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:30 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	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	01/26/2022 06:37	01/26/2022 18:56	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:30 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 18:56	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 18:56	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	99.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.9 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH





Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:30 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:30 pm	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:30 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:30 pm	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:03	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	52.7 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	49.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	53.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	52.6 %			24-116						

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	13700		mg/kg dry	5.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-36-0	Antimony	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-38-2	Arsenic	2.23		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-39-3	Barium	68.8		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.351	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-70-2	Calcium	5260		mg/kg dry	5.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-47-3	Chromium	17.9		mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-48-4	Cobalt	4.81		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-50-8	Copper	13.0		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH



Sample Information

Client Sample ID: 039_LSB-10_0-2

York Sample ID: 22A0992-03

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:30 pm	<u>Date Received</u> 01/25/2022
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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	13400		mg/kg dry	29.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7439-92-1	Lead	37.0		mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7439-95-4	Magnesium	1510		mg/kg dry	5.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7439-96-5	Manganese	113		mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-02-0	Nickel	12.1		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-09-7	Potassium	1010	B	mg/kg dry	5.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-22-4	Silver	ND		mg/kg dry	0.585	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-23-5	Sodium	109		mg/kg dry	58.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-62-2	Vanadium	34.4		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH
7440-66-6	Zinc	35.5		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:29	RTH

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	0.0351	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 16:02	KT

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	85.4		%	0.100	1	SM 2540G Certifications: CTDOH	01/26/2022 11:30	01/26/2022 14:37	MEW



Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:23	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	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	01/26/2022 06:37	01/26/2022 19:23	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	01/26/2022 06:37	01/26/2022 19:23	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	01/26/2022 06:37	01/26/2022 19:23	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	01/26/2022 06:37	01/26/2022 19:23	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	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	01/26/2022 06:37	01/26/2022 19:23	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC





Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:23	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
67-64-1	Acetone	0.011	ICV-E	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC



Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	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	01/26/2022 06:37	01/26/2022 19:23	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC



Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

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Matrix

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22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:23	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:23	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	99.0 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH





Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

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100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH



Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

Client Project ID

Matrix

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22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
62-53-3	Aniline	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH



Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

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Matrix

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22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH



Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
108-95-2	Phenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 18:34	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	44.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	41.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	51.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	42.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	41.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	48.6 %			24-116						

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	10700		mg/kg dry	6.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-36-0	Antimony	ND		mg/kg dry	3.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-38-2	Arsenic	2.45		mg/kg dry	1.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-39-3	Barium	82.9		mg/kg dry	3.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.368	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-70-2	Calcium	10700		mg/kg dry	6.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-47-3	Chromium	14.7		mg/kg dry	0.614	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-48-4	Cobalt	4.83		mg/kg dry	0.491	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-50-8	Copper	12.2		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH





Sample Information

Client Sample ID: 040_DUP-1

York Sample ID: 22A0992-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:35 pm

01/25/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	12500		mg/kg dry	30.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7439-92-1	Lead	41.4		mg/kg dry	0.614	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7439-95-4	Magnesium	1890		mg/kg dry	6.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7439-96-5	Manganese	171		mg/kg dry	0.614	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-02-0	Nickel	11.1		mg/kg dry	1.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-09-7	Potassium	1040	B	mg/kg dry	6.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7782-49-2	Selenium	ND		mg/kg dry	3.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-22-4	Silver	ND		mg/kg dry	0.614	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-23-5	Sodium	134		mg/kg dry	61.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-28-0	Thallium	ND		mg/kg dry	3.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-62-2	Vanadium	22.5		mg/kg dry	1.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH
7440-66-6	Zinc	47.7		mg/kg dry	3.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:32	RTH

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	0.269		mg/kg dry	0.0368	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 16:12	KT

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.4		%	0.100	1	SM 2540G Certifications: CTDOH	01/26/2022 11:30	01/26/2022 14:37	MEW





Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:40 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:50	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:50	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:40 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:50	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
67-64-1	Acetone	0.0042	ICV-E, J	mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:40 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-09-2	Methylene chloride	0.0057	J	mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:40 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 19:50	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 19:50	BMC
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.2 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	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	01/26/2022 07:49	01/27/2022 19:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:40 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:40 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:40 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 12:40 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
108-95-2	Phenol	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0467	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:05	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.7 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	45.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	51.1 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	47.1 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	53.5 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.8 %			24-116						

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	7800		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-39-3	Barium	50.3		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-70-2	Calcium	1230		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-47-3	Chromium	17.3		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-48-4	Cobalt	9.79		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-50-8	Copper	28.0		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH



Sample Information

Client Sample ID: 041_LSB-10_4-6

York Sample ID: 22A0992-05

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 12:40 pm	<u>Date Received</u> 01/25/2022
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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	18700		mg/kg dry	28.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7439-92-1	Lead	7.33		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7439-95-4	Magnesium	2090		mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7439-96-5	Manganese	302		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-02-0	Nickel	25.3		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-09-7	Potassium	1380	B	mg/kg dry	5.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-23-5	Sodium	67.7		mg/kg dry	56.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-62-2	Vanadium	22.8		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH
7440-66-6	Zinc	35.6		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:34	RTH

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	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 16:21	KT

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	89.1		%	0.100	1	SM 2540G Certifications: CTDOH	01/26/2022 11:30	01/26/2022 14:37	MEW



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 20:18	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	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	01/26/2022 06:37	01/26/2022 20:18	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	01/26/2022 06:37	01/26/2022 20:18	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	01/26/2022 06:37	01/26/2022 20:18	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	01/26/2022 06:37	01/26/2022 20:18	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	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	01/26/2022 06:37	01/26/2022 20:18	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 2:25 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 20:18	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-09-2	Methylene chloride	0.0050	J	mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	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	01/26/2022 06:37	01/26/2022 20:18	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:37	01/26/2022 20:18	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:37	01/26/2022 20:18	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	98.6 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.3 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 2:25 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
92-87-5	Benzdine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 19:36	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	51.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	59.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.3 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	56.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.6 %			24-116						

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	10600		mg/kg dry	5.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-39-3	Barium	50.3		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-70-2	Calcium	1610		mg/kg dry	5.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-47-3	Chromium	21.9		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-48-4	Cobalt	8.21		mg/kg dry	0.458	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-50-8	Copper	20.8		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH



Sample Information

Client Sample ID: 042_LSB-11_0-2

York Sample ID: 22A0992-06

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:25 pm	<u>Date Received</u> 01/25/2022
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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	13800		mg/kg dry	28.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7439-92-1	Lead	9.54		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7439-95-4	Magnesium	2470		mg/kg dry	5.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7439-96-5	Manganese	300		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-02-0	Nickel	20.7		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-09-7	Potassium	1780	B	mg/kg dry	5.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-23-5	Sodium	63.1		mg/kg dry	57.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-62-2	Vanadium	28.1		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH
7440-66-6	Zinc	33.3		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:36	RTH

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	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 16:31	KT

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	01/26/2022 11:30	01/26/2022 14:37	MEW



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:30 pm	<u>Date Received</u> 01/25/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 06:29	01/27/2022 17:58	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 06:29	01/27/2022 17:58	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 06:29	01/27/2022 17:58	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
67-64-1	Acetone	0.085	ICV-E	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-09-2	Methylene chloride	0.0047	J	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:29	01/27/2022 17:58	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 06:29	01/27/2022 17:58	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	98.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.3 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
62-53-3	Aniline	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH



Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Soil

January 25, 2022 2:30 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
108-95-2	Phenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:49	01/27/2022 20:07	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	47.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	44.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	46.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.9 %			24-116						

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	15400		mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-36-0	Antimony	3.34		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-38-2	Arsenic	1.98		mg/kg dry	1.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-39-3	Barium	48.9		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-70-2	Calcium	1810		mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-47-3	Chromium	20.0		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-48-4	Cobalt	4.55		mg/kg dry	0.497	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-50-8	Copper	17.3		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH





Sample Information

Client Sample ID: 043_LSB-11_2-4

York Sample ID: 22A0992-07

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 25, 2022 2:30 pm	<u>Date Received</u> 01/25/2022
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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	25400		mg/kg dry	31.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7439-92-1	Lead	8.44		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7439-95-4	Magnesium	2180		mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7439-96-5	Manganese	56.5		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-02-0	Nickel	16.6		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-09-7	Potassium	1050	B	mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7782-49-2	Selenium	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-22-4	Silver	ND		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-23-5	Sodium	74.3		mg/kg dry	62.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-28-0	Thallium	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-62-2	Vanadium	29.3		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH
7440-66-6	Zinc	26.5		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 14:50	01/28/2022 13:38	RTH

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	0.0932		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/28/2022 11:10	01/28/2022 16:40	KT

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	80.5		%	0.100	1	SM 2540G Certifications: CTDOH	01/26/2022 11:30	01/26/2022 14:37	MEW



Sample Information

Client Sample ID: 044_TB_20220125

York Sample ID: 22A0992-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 5:00 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:28	01/26/2022 18:10	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG





Sample Information

Client Sample ID: 044_TB_20220125

York Sample ID: 22A0992-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 5:00 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG



Sample Information

Client Sample ID: 044_TB_20220125

York Sample ID: 22A0992-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 5:00 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG



Sample Information

Client Sample ID: 044_TB_20220125

York Sample ID: 22A0992-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 5:00 am

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:10	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:28	01/26/2022 18:10	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	101 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:28	01/26/2022 18:35	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
67-64-1	Acetone	1.02		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-09-2	Methylene chloride	1.90		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/26/2022 06:28	01/26/2022 18:35	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/26/2022 06:28	01/26/2022 18:35	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			79-122						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

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Matrix

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22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 22:50	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	25.3 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	13.8 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	46.7 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.2 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	67.0 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	61.0 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH



Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A0992

100963701

Water

January 25, 2022 3:00 pm

01/25/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/26/2022 07:33	01/27/2022 13:02	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 07:33	01/27/2022 13:02	KH

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	0.153	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-70-2	Calcium	0.154		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH





Sample Information

Client Sample ID: 045_FB_20220125

York Sample ID: 22A0992-09

<u>York Project (SDG) No.</u> 22A0992	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 25, 2022 3:00 pm	<u>Date Received</u> 01/25/2022
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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,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/26/2022 09:41	01/26/2022 19:16	RTH

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,NELAC-NY10854,NJDEP,PADEP	01/28/2022 08:55	01/28/2022 19:10	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 08:55	01/28/2022 19:10	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 08:55	01/28/2022 19:10	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 08:55	01/28/2022 19:10	BML
7782-49-2	Selenium	0.00250	B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 08:55	01/28/2022 19:10	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 08:55	01/28/2022 19:10	BML

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,NELAC-NY10854,NJDEP,PADEP	01/25/2022 22:04	01/25/2022 22:04	AA



Analytical Batch Summary

Batch ID: BA22423 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-09	045_FB_20220125	01/25/22
BA22423-BLK1	Blank	01/25/22
BA22423-BS1	LCS	01/25/22
BA22423-BS2	LCS	01/25/22

Batch ID: BA22424 **Preparation Method:** EPA 3510C **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-09	045_FB_20220125	01/26/22
BA22424-BLK1	Blank	01/26/22
BA22424-BLK2	Blank	01/26/22
BA22424-BS1	LCS	01/26/22
BA22424-BS2	LCS	01/26/22
BA22424-BSD1	LCS Dup	01/26/22

Batch ID: BA22428 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-01	037_LSB-9_0-2	01/26/22
22A0992-02	038_LSB-9_4-6	01/26/22
22A0992-03	039_LSB-10_0-2	01/26/22
22A0992-04	040_DUP-1	01/26/22
22A0992-05	041_LSB-10_4-6	01/26/22
22A0992-06	042_LSB-11_0-2	01/26/22
22A0992-07	043_LSB-11_2-4	01/26/22
BA22428-BLK1	Blank	01/26/22
BA22428-BS1	LCS	01/26/22

Batch ID: BA22445 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-09	045_FB_20220125	01/26/22
BA22445-BLK1	Blank	01/26/22
BA22445-BS1	LCS	01/26/22
BA22445-DUP1	Duplicate	01/26/22
BA22445-MS1	Matrix Spike	01/26/22
BA22445-PS1	Post Spike	01/26/22

Batch ID: BA22454 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-01	037_LSB-9_0-2	01/26/22
22A0992-02	038_LSB-9_4-6	01/26/22



22A0992-03	039_LSB-10_0-2	01/26/22
22A0992-04	040_DUP-1	01/26/22
22A0992-05	041_LSB-10_4-6	01/26/22
22A0992-06	042_LSB-11_0-2	01/26/22
22A0992-07	043_LSB-11_2-4	01/26/22
BA22454-DUP1	Duplicate	01/26/22

Batch ID: BA22490 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-08	044_TB_20220125	01/26/22
22A0992-09	045_FB_20220125	01/26/22
BA22490-BLK1	Blank	01/26/22
BA22490-BS1	LCS	01/26/22
BA22490-BSD1	LCS Dup	01/26/22

Batch ID: BA22493 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-01	037_LSB-9_0-2	01/26/22
22A0992-02	038_LSB-9_4-6	01/26/22
22A0992-03	039_LSB-10_0-2	01/26/22
22A0992-04	040_DUP-1	01/26/22
22A0992-05	041_LSB-10_4-6	01/26/22
22A0992-06	042_LSB-11_0-2	01/26/22
BA22493-BLK1	Blank	01/26/22
BA22493-BLK2	Blank	01/26/22
BA22493-BLK3	Blank	01/26/22
BA22493-BS1	LCS	01/26/22
BA22493-BSD1	LCS Dup	01/26/22

Batch ID: BA22568 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-01	037_LSB-9_0-2	01/27/22
22A0992-02	038_LSB-9_4-6	01/27/22
22A0992-03	039_LSB-10_0-2	01/27/22
22A0992-04	040_DUP-1	01/27/22
22A0992-05	041_LSB-10_4-6	01/27/22
22A0992-06	042_LSB-11_0-2	01/27/22
22A0992-07	043_LSB-11_2-4	01/27/22
BA22568-BLK1	Blank	01/27/22
BA22568-DUP1	Duplicate	01/27/22
BA22568-MS1	Matrix Spike	01/27/22
BA22568-PS1	Post Spike	01/27/22
BA22568-SRM1	Reference	01/27/22

Batch ID: BA22582 **Preparation Method:** EPA 5035A **Prepared By:** BMC



YORK Sample ID	Client Sample ID	Preparation Date
22A0992-07	043_LSB-11_2-4	01/27/22
BA22582-BLK1	Blank	01/27/22
BA22582-BLK2	Blank	01/27/22
BA22582-BS1	LCS	01/27/22
BA22582-BSD1	LCS Dup	01/27/22

Batch ID: BA22613 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-09	045_FB_20220125	01/28/22
BA22613-BLK1	Blank	01/28/22
BA22613-BS1	LCS	01/28/22
BA22613-DUP1	Duplicate	01/28/22
BA22613-MS1	Matrix Spike	01/28/22

Batch ID: BA22622 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A0992-01	037_LSB-9_0-2	01/28/22
22A0992-02	038_LSB-9_4-6	01/28/22
22A0992-03	039_LSB-10_0-2	01/28/22
22A0992-04	040_DUP-1	01/28/22
22A0992-05	041_LSB-10_4-6	01/28/22
22A0992-06	042_LSB-11_0-2	01/28/22
22A0992-07	043_LSB-11_2-4	01/28/22
BA22622-BLK1	Blank	01/28/22
BA22622-DUP1	Duplicate	01/28/22
BA22622-MS1	Matrix Spike	01/28/22
BA22622-SRM1	Reference	01/28/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22490 - EPA 5030B

Blank (BA22490-BLK1)	Blank	Prepared & Analyzed: 01/26/2022									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22490 - EPA 5030B

Blank (BA22490-BLK1)	Blank	Prepared & Analyzed: 01/26/2022									
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURRE: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22490 - EPA 5030B												
LCS (BA22490-BS1)	LCS							Prepared & Analyzed: 01/26/2022				
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126					
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136					
1,1,2,2-Tetrachloroethane	9.61		"	10.0		96.1	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165					
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123					
1,1-Dichloroethane	10.6		"	10.0		106	82-129					
1,1-Dichloroethylene	10.9		"	10.0		109	68-138					
1,1-Dichloropropylene	10.1		"	10.0		101	83-133					
1,2,3-Trichlorobenzene	7.78		"	10.0		77.8	76-136					
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128					
1,2,4-Trichlorobenzene	7.83		"	10.0		78.3	76-137					
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132					
1,2-Dibromo-3-chloropropane	8.54		"	10.0		85.4	45-147					
1,2-Dibromoethane	9.73		"	10.0		97.3	83-124					
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123					
1,2-Dichloroethane	10.6		"	10.0		106	73-132					
1,2-Dichloropropane	11.2		"	10.0		112	78-126					
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131					
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122					
1,3-Dichloropropane	9.99		"	10.0		99.9	81-125					
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124					
1,4-Dioxane	206		"	210		97.9	10-349					
2,2-Dichloropropane	11.1		"	10.0		111	56-150					
2-Butanone	10.1		"	10.0		101	49-152					
2-Chlorotoluene	11.0		"	10.0		110	79-130					
2-Hexanone	6.86		"	10.0		68.6	51-146					
4-Chlorotoluene	11.4		"	10.0		114	79-128					
4-Methyl-2-pentanone	7.10		"	10.0		71.0	57-145					
Acetone	9.45		"	10.0		94.5	14-150					
Acrolein	7.37		"	10.0		73.7	10-153					
Acrylonitrile	9.32		"	10.0		93.2	51-150					
Benzene	11.4		"	10.0		114	85-126					
Bromobenzene	10.0		"	10.0		100	78-129					
Bromochloromethane	11.0		"	10.0		110	77-128					
Bromodichloromethane	10.6		"	10.0		106	79-128					
Bromoform	7.55		"	10.0		75.5	78-133	Low Bias				
Bromomethane	5.12		"	10.0		51.2	43-168					
Carbon disulfide	11.6		"	10.0		116	68-146					
Carbon tetrachloride	11.0		"	10.0		110	77-141					
Chlorobenzene	11.5		"	10.0		115	88-120					
Chloroethane	12.4		"	10.0		124	65-136					
Chloroform	10.9		"	10.0		109	82-128					
Chloromethane	10.8		"	10.0		108	43-155					
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129					
cis-1,3-Dichloropropylene	8.43		"	10.0		84.3	80-131					
Cyclohexane	7.16		"	10.0		71.6	63-149					
Dibromochloromethane	7.83		"	10.0		78.3	80-130	Low Bias				
Dibromomethane	10.2		"	10.0		102	72-134					
Dichlorodifluoromethane	15.6		"	10.0		156	44-144	High Bias				
Ethyl Benzene	9.87		"	10.0		98.7	80-131					
Hexachlorobutadiene	7.31		"	10.0		73.1	67-146					



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22490 - EPA 5030B											
LCS (BA22490-BS1)	LCS	Prepared & Analyzed: 01/26/2022									
Isopropylbenzene	12.2		ug/L	10.0		122	76-140				
Methyl acetate	8.97		"	10.0		89.7	51-139				
Methyl tert-butyl ether (MTBE)	8.58		"	10.0		85.8	76-135				
Methylcyclohexane	9.95		"	10.0		99.5	72-143				
Methylene chloride	10.2		"	10.0		102	55-137				
n-Butylbenzene	11.3		"	10.0		113	79-132				
n-Propylbenzene	12.4		"	10.0		124	78-133				
o-Xylene	12.4		"	10.0		124	78-130				
p- & m- Xylenes	21.0		"	20.0		105	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	11.6		"	10.0		116	79-137				
Styrene	8.58		"	10.0		85.8	67-132				
tert-Butyl alcohol (TBA)	38.4		"	50.0		76.8	25-162				
tert-Butylbenzene	9.68		"	10.0		96.8	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	12.0		"	10.0		120	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	8.05		"	10.0		80.5	78-131				
Trichloroethylene	10.8		"	10.0		108	82-128				
Trichlorofluoromethane	13.7		"	10.0		137	67-139				
Vinyl acetate	16.7		"	10.0		167	21-90	High Bias			
Vinyl Chloride	12.6		"	10.0		126	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.38</i>		<i>"</i>	<i>10.0</i>		<i>93.8</i>	<i>79-122</i>				
LCS Dup (BA22490-BSD1)	LCS Dup	Prepared & Analyzed: 01/26/2022									
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126		5.36	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136		3.14	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129		8.18	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		2.11	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		6.98	30	
1,1-Dichloroethane	11.0		"	10.0		110	82-129		4.36	30	
1,1-Dichloroethylene	11.3		"	10.0		113	68-138		3.24	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		2.45	30	
1,2,3-Trichlorobenzene	8.20		"	10.0		82.0	76-136		5.26	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128		4.98	30	
1,2,4-Trichlorobenzene	8.20		"	10.0		82.0	76-137		4.62	30	
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132		1.05	30	
1,2-Dibromo-3-chloropropane	9.08		"	10.0		90.8	45-147		6.13	30	
1,2-Dibromoethane	10.6		"	10.0		106	83-124		8.75	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		0.826	30	
1,2-Dichloroethane	11.2		"	10.0		112	73-132		5.05	30	
1,2-Dichloropropane	11.6		"	10.0		116	78-126		3.07	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.91	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		0.196	30	
1,3-Dichloropropane	10.8		"	10.0		108	81-125		8.07	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		1.18	30	
1,4-Dioxane	258		"	210		123	10-349		22.7	30	
2,2-Dichloropropane	11.1		"	10.0		111	56-150		0.631	30	
2-Butanone	12.4		"	10.0		124	49-152		21.0	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22490 - EPA 5030B											
LCS Dup (BA22490-BSD1)	LCS Dup	Prepared & Analyzed: 01/26/2022									
2-Chlorotoluene	10.7		ug/L	10.0		107	79-130		2.58	30	
2-Hexanone	8.11		"	10.0		81.1	51-146		16.7	30	
4-Chlorotoluene	11.2		"	10.0		112	79-128		1.68	30	
4-Methyl-2-pentanone	8.84		"	10.0		88.4	57-145		21.8	30	
Acetone	10.4		"	10.0		104	14-150		9.09	30	
Acrolein	7.01		"	10.0		70.1	10-153		5.01	30	
Acrylonitrile	11.0		"	10.0		110	51-150		16.7	30	
Benzene	11.7		"	10.0		117	85-126		2.16	30	
Bromobenzene	10.2		"	10.0		102	78-129		1.09	30	
Bromochloromethane	11.7		"	10.0		117	77-128		5.72	30	
Bromodichloromethane	11.2		"	10.0		112	79-128		5.42	30	
Bromoform	8.33		"	10.0		83.3	78-133		9.82	30	
Bromomethane	5.80		"	10.0		58.0	43-168		12.5	30	
Carbon disulfide	11.8		"	10.0		118	68-146		1.28	30	
Carbon tetrachloride	11.2		"	10.0		112	77-141		1.80	30	
Chlorobenzene	11.7		"	10.0		117	88-120		1.64	30	
Chloroethane	12.7		"	10.0		127	65-136		1.99	30	
Chloroform	11.2		"	10.0		112	82-128		3.35	30	
Chloromethane	11.0		"	10.0		110	43-155		1.65	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		2.45	30	
cis-1,3-Dichloropropylene	9.05		"	10.0		90.5	80-131		7.09	30	
Cyclohexane	7.48		"	10.0		74.8	63-149		4.37	30	
Dibromochloromethane	8.80		"	10.0		88.0	80-130		11.7	30	
Dibromomethane	10.8		"	10.0		108	72-134		5.69	30	
Dichlorodifluoromethane	16.0		"	10.0		160	44-144	High Bias	2.79	30	
Ethyl Benzene	9.98		"	10.0		99.8	80-131		1.11	30	
Hexachlorobutadiene	7.53		"	10.0		75.3	67-146		2.96	30	
Isopropylbenzene	11.9		"	10.0		119	76-140		2.65	30	
Methyl acetate	9.88		"	10.0		98.8	51-139		9.66	30	
Methyl tert-butyl ether (MTBE)	9.97		"	10.0		99.7	76-135		15.0	30	
Methylcyclohexane	10.1		"	10.0		101	72-143		1.79	30	
Methylene chloride	10.6		"	10.0		106	55-137		3.55	30	
n-Butylbenzene	11.0		"	10.0		110	79-132		1.97	30	
n-Propylbenzene	12.1		"	10.0		121	78-133		2.44	30	
o-Xylene	12.8		"	10.0		128	78-130		3.02	30	
p- & m- Xylenes	21.2		"	20.0		106	77-133		1.04	30	
p-Isopropyltoluene	11.5		"	10.0		115	81-136		1.38	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		0.00	30	
Styrene	8.95		"	10.0		89.5	67-132		4.22	30	
tert-Butyl alcohol (TBA)	50.4		"	50.0		101	25-162		27.1	30	
tert-Butylbenzene	9.53		"	10.0		95.3	77-138		1.56	30	
Tetrachloroethylene	10.9		"	10.0		109	82-131		1.30	30	
Toluene	12.1		"	10.0		121	80-127		0.166	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		3.49	30	
trans-1,3-Dichloropropylene	8.78		"	10.0		87.8	78-131		8.67	30	
Trichloroethylene	10.8		"	10.0		108	82-128		0.741	30	
Trichlorofluoromethane	13.8		"	10.0		138	67-139		0.727	30	
Vinyl acetate	17.8		"	10.0		178	21-90	High Bias	6.26	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		2.59	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	10.2		"	10.0		102	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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22490 - EPA 5030B											
LCS Dup (BA22490-BSD1) LCS Dup						Prepared & Analyzed: 01/26/2022					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	9.27		ug/L	10.0		92.7	79-122				

Batch BA22493 - EPA 5035A

Blank (BA22493-BLK1) Blank		Prepared & Analyzed: 01/26/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22493 - EPA 5035A

Blank (BA22493-BLK1)	Blank	Prepared & Analyzed: 01/26/2022									
Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	50.8		ug/L	50.0		102	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.7		"	50.0		99.3	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.2		"	50.0		98.3	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22493 - EPA 5035A

Blank (BA22493-BLK2) MEOH

Prepared & Analyzed: 01/26/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22493 - EPA 5035A

Blank (BA22493-BLK2)	MEOH	Prepared & Analyzed: 01/26/2022									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	52.3		ug/L	50.0		105	77-125				
Surrogate: SURRE: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	49.7		"	50.0		99.4	76-130				

Blank (BA22493-BLK3)	HB22A0991	Prepared & Analyzed: 01/26/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22493 - EPA 5035A

Blank (BA22493-BLK3) HB22A0991

Prepared & Analyzed: 01/26/2022

2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22493 - EPA 5035A											
Blank (BA22493-BLK3)		HB22A0991		Prepared & Analyzed: 01/26/2022							
Surrogate: SURR: 1,2-Dichloroethane-d4	52.4		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.3		"	50.0		96.7	76-130				
LCS (BA22493-BS1)		LCS		Prepared & Analyzed: 01/26/2022							
1,1,1,2-Tetrachloroethane	53.4		ug/L	50.0		107	75-129				
1,1,1-Trichloroethane	55.9		"	50.0		112	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)	54.0		"	50.0		108	58-146				
1,1,2-Trichloroethane	48.4		"	50.0		96.9	83-123				
1,1-Dichloroethane	49.3		"	50.0		98.6	75-130				
1,1-Dichloroethylene	52.0		"	50.0		104	64-137				
1,1-Dichloropropylene	49.2		"	50.0		98.3	77-127				
1,2,3-Trichlorobenzene	54.3		"	50.0		109	81-140				
1,2,3-Trichloropropane	51.2		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	57.2		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	53.6		"	50.0		107	84-125				
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142				
1,2-Dibromoethane	52.4		"	50.0		105	86-123				
1,2-Dichlorobenzene	53.0		"	50.0		106	85-122				
1,2-Dichloroethane	49.6		"	50.0		99.3	71-133				
1,2-Dichloropropane	48.2		"	50.0		96.4	81-122				
1,3,5-Trimethylbenzene	53.1		"	50.0		106	82-126				
1,3-Dichlorobenzene	54.2		"	50.0		108	84-124				
1,3-Dichloropropane	48.0		"	50.0		96.0	83-123				
1,4-Dichlorobenzene	54.0		"	50.0		108	84-124				
1,4-Dioxane	1210		"	1050		115	10-228				
2,2-Dichloropropane	58.1		"	50.0		116	67-136				
2-Butanone	43.4		"	50.0		86.8	58-147				
2-Chlorotoluene	53.4		"	50.0		107	78-127				
2-Hexanone	46.7		"	50.0		93.3	70-139				
4-Chlorotoluene	57.6		"	50.0		115	79-125				
4-Methyl-2-pentanone	45.1		"	50.0		90.2	72-132				
Acetone	38.8		"	50.0		77.6	36-155				
Acrolein	32.8		"	50.0		65.6	10-238				
Acrylonitrile	45.6		"	50.0		91.3	66-141				
Benzene	49.6		"	50.0		99.2	77-127				
Bromobenzene	49.8		"	50.0		99.7	77-129				
Bromochloromethane	45.5		"	50.0		91.0	74-129				
Bromodichloromethane	52.8		"	50.0		106	81-124				
Bromoform	55.0		"	50.0		110	80-136				
Bromomethane	60.6		"	50.0		121	32-177				
Carbon disulfide	58.1		"	50.0		116	10-136				
Carbon tetrachloride	58.2		"	50.0		116	66-143				
Chlorobenzene	54.3		"	50.0		109	86-120				
Chloroethane	52.0		"	50.0		104	51-142				
Chloroform	51.9		"	50.0		104	76-131				
Chloromethane	38.5		"	50.0		77.0	49-132				
cis-1,2-Dichloroethylene	48.8		"	50.0		97.6	74-132				
cis-1,3-Dichloropropylene	53.3		"	50.0		107	81-129				
Cyclohexane	46.2		"	50.0		92.5	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22493 - EPA 5035A

LCS (BA22493-BS1)	LCS	Prepared & Analyzed: 01/26/2022									
Dibromochloromethane	54.8		ug/L	50.0		110	10-200				
Dibromomethane	50.0		"	50.0		100	83-124				
Dichlorodifluoromethane	55.2		"	50.0		110	28-158				
Ethyl Benzene	52.4		"	50.0		105	84-125				
Hexachlorobutadiene	60.0		"	50.0		120	83-133				
Isopropylbenzene	55.0		"	50.0		110	81-127				
Methyl acetate	40.2		"	50.0		80.5	41-143				
Methyl tert-butyl ether (MTBE)	45.3		"	50.0		90.5	74-131				
Methylcyclohexane	50.7		"	50.0		101	70-130				
Methylene chloride	45.4		"	50.0		90.9	57-141				
n-Butylbenzene	54.6		"	50.0		109	80-130				
n-Propylbenzene	52.7		"	50.0		105	74-136				
o-Xylene	53.6		"	50.0		107	83-123				
p- & m- Xylenes	106		"	100		106	82-128				
p-Isopropyltoluene	55.5		"	50.0		111	85-125				
sec-Butylbenzene	53.8		"	50.0		108	83-125				
Styrene	50.7		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	250		"	250		99.9	70-130				
tert-Butylbenzene	54.8		"	50.0		110	80-127				
Tetrachloroethylene	50.1		"	50.0		100	80-129				
Toluene	51.1		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	50.6		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	53.0		"	50.0		106	78-132				
Trichloroethylene	53.5		"	50.0		107	84-123				
Trichlorofluoromethane	57.4		"	50.0		115	62-140				
Vinyl acetate	40.8		"	50.0		81.6	67-136				
Vinyl Chloride	46.9		"	50.0		93.9	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.1</i>	<i>76-130</i>				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22493 - EPA 5035A											
LCS Dup (BA22493-BSD1)	LCS Dup	Prepared & Analyzed: 01/26/2022									
1,1,1,2-Tetrachloroethane	52.3		ug/L	50.0		105	75-129		1.93	30	
1,1,1-Trichloroethane	53.2		"	50.0		106	71-137		4.95	30	
1,1,2,2-Tetrachloroethane	51.4		"	50.0		103	79-129		4.66	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.0		"	50.0		104	58-146		3.77	30	
1,1,2-Trichloroethane	48.7		"	50.0		97.3	83-123		0.453	30	
1,1-Dichloroethane	47.6		"	50.0		95.2	75-130		3.47	30	
1,1-Dichloroethylene	50.9		"	50.0		102	64-137		2.20	30	
1,1-Dichloropropylene	47.9		"	50.0		95.8	77-127		2.60	30	
1,2,3-Trichlorobenzene	53.4		"	50.0		107	81-140		1.56	30	
1,2,3-Trichloropropane	53.2		"	50.0		106	81-126		3.72	30	
1,2,4-Trichlorobenzene	55.6		"	50.0		111	80-141		2.78	30	
1,2,4-Trimethylbenzene	52.6		"	50.0		105	84-125		1.79	30	
1,2-Dibromo-3-chloropropane	54.8		"	50.0		110	74-142		3.97	30	
1,2-Dibromoethane	51.7		"	50.0		103	86-123		1.25	30	
1,2-Dichlorobenzene	52.0		"	50.0		104	85-122		2.04	30	
1,2-Dichloroethane	49.6		"	50.0		99.2	71-133		0.0806	30	
1,2-Dichloropropane	48.9		"	50.0		97.8	81-122		1.52	30	
1,3,5-Trimethylbenzene	52.5		"	50.0		105	82-126		1.21	30	
1,3-Dichlorobenzene	52.6		"	50.0		105	84-124		2.85	30	
1,3-Dichloropropane	48.7		"	50.0		97.3	83-123		1.34	30	
1,4-Dichlorobenzene	52.8		"	50.0		106	84-124		2.38	30	
1,4-Dioxane	1260		"	1050		120	10-228		4.12	30	
2,2-Dichloropropane	56.9		"	50.0		114	67-136		2.07	30	
2-Butanone	47.9		"	50.0		95.8	58-147		9.83	30	
2-Chlorotoluene	53.5		"	50.0		107	78-127		0.206	30	
2-Hexanone	48.2		"	50.0		96.5	70-139		3.33	30	
4-Chlorotoluene	51.4		"	50.0		103	79-125		11.3	30	
4-Methyl-2-pentanone	47.0		"	50.0		94.0	72-132		4.11	30	
Acetone	39.0		"	50.0		78.0	36-155		0.591	30	
Acrolein	32.6		"	50.0		65.3	10-238		0.459	30	
Acrylonitrile	45.4		"	50.0		90.9	66-141		0.439	30	
Benzene	47.5		"	50.0		95.0	77-127		4.28	30	
Bromobenzene	50.6		"	50.0		101	77-129		1.57	30	
Bromochloromethane	46.0		"	50.0		91.9	74-129		1.03	30	
Bromodichloromethane	52.6		"	50.0		105	81-124		0.228	30	
Bromoform	55.0		"	50.0		110	80-136		0.145	30	
Bromomethane	58.0		"	50.0		116	32-177		4.35	30	
Carbon disulfide	56.5		"	50.0		113	10-136		2.83	30	
Carbon tetrachloride	55.1		"	50.0		110	66-143		5.45	30	
Chlorobenzene	52.8		"	50.0		106	86-120		2.90	30	
Chloroethane	51.2		"	50.0		102	51-142		1.57	30	
Chloroform	51.0		"	50.0		102	76-131		1.71	30	
Chloromethane	38.4		"	50.0		76.8	49-132		0.182	30	
cis-1,2-Dichloroethylene	47.3		"	50.0		94.6	74-132		3.14	30	
cis-1,3-Dichloropropylene	53.5		"	50.0		107	81-129		0.468	30	
Cyclohexane	45.0		"	50.0		90.1	70-130		2.61	30	
Dibromochloromethane	54.4		"	50.0		109	10-200		0.751	30	
Dibromomethane	50.9		"	50.0		102	83-124		1.84	30	
Dichlorodifluoromethane	53.2		"	50.0		106	28-158		3.76	30	
Ethyl Benzene	50.9		"	50.0		102	84-125		2.98	30	
Hexachlorobutadiene	56.2		"	50.0		112	83-133		6.56	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22493 - EPA 5035A											
LCS Dup (BA22493-BSD1)	LCS Dup	Prepared & Analyzed: 01/26/2022									
Isopropylbenzene	53.8		ug/L	50.0		108	81-127		2.15	30	
Methyl acetate	40.8		"	50.0		81.5	41-143		1.28	30	
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.3	74-131		0.836	30	
Methylcyclohexane	49.6		"	50.0		99.2	70-130		2.17	30	
Methylene chloride	45.7		"	50.0		91.3	57-141		0.461	30	
n-Butylbenzene	53.1		"	50.0		106	80-130		2.79	30	
n-Propylbenzene	52.1		"	50.0		104	74-136		1.13	30	
o-Xylene	52.1		"	50.0		104	83-123		2.82	30	
p- & m- Xylenes	103		"	100		103	82-128		3.62	30	
p-Isopropyltoluene	54.3		"	50.0		109	85-125		2.13	30	
sec-Butylbenzene	52.4		"	50.0		105	83-125		2.58	30	
Styrene	49.8		"	50.0		99.5	86-126		1.93	30	
tert-Butyl alcohol (TBA)	257		"	250		103	70-130		2.69	30	
tert-Butylbenzene	53.7		"	50.0		107	80-127		1.92	30	
Tetrachloroethylene	47.0		"	50.0		94.1	80-129		6.20	30	
Toluene	50.0		"	50.0		99.9	85-121		2.20	30	
trans-1,2-Dichloroethylene	49.1		"	50.0		98.2	72-132		3.01	30	
trans-1,3-Dichloropropylene	53.8		"	50.0		108	78-132		1.46	30	
Trichloroethylene	52.2		"	50.0		104	84-123		2.52	30	
Trichlorofluoromethane	53.6		"	50.0		107	62-140		6.84	30	
Vinyl acetate	41.4		"	50.0		82.7	67-136		1.36	30	
Vinyl Chloride	45.7		"	50.0		91.5	52-130		2.59	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>76-130</i>				

Batch BA22582 - EPA 5035A

Blank (BA22582-BLK1)	Blank	Prepared & Analyzed: 01/27/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22582 - EPA 5035A

Blank (BA22582-BLK1)

Blank

Prepared & Analyzed: 01/27/2022

2,2-Dichloropropane	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22582 - EPA 5035A												
Blank (BA22582-BLK1)	Blank								Prepared & Analyzed: 01/27/2022			
Xylenes, Total	ND	0.015	mg/kg wet									
Surrogate: SURR: 1,2-Dichloroethane-d4	51.2		ug/L	50.0		102	77-125					
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.8	85-120					
Surrogate: SURR: p-Bromofluorobenzene	48.4		"	50.0		96.8	76-130					
Blank (BA22582-BLK2)	MeOH Blank								Prepared & Analyzed: 01/27/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet									
1,1,1-Trichloroethane	ND	0.0050	"									
1,1,2,2-Tetrachloroethane	ND	0.0050	"									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"									
1,1,2-Trichloroethane	ND	0.0050	"									
1,1-Dichloroethane	ND	0.0050	"									
1,1-Dichloroethylene	ND	0.0050	"									
1,1-Dichloropropylene	ND	0.0050	"									
1,2,3-Trichlorobenzene	ND	0.0050	"									
1,2,3-Trichloropropane	ND	0.0050	"									
1,2,4-Trichlorobenzene	ND	0.0050	"									
1,2,4-Trimethylbenzene	ND	0.0050	"									
1,2-Dibromo-3-chloropropane	ND	0.0050	"									
1,2-Dibromoethane	ND	0.0050	"									
1,2-Dichlorobenzene	ND	0.0050	"									
1,2-Dichloroethane	ND	0.0050	"									
1,2-Dichloropropane	ND	0.0050	"									
1,3,5-Trimethylbenzene	ND	0.0050	"									
1,3-Dichlorobenzene	ND	0.0050	"									
1,3-Dichloropropane	ND	0.0050	"									
1,4-Dichlorobenzene	ND	0.0050	"									
1,4-Dioxane	ND	0.10	"									
2,2-Dichloropropane	ND	0.0050	"									
2-Butanone	ND	0.0050	"									
2-Chlorotoluene	ND	0.0050	"									
2-Hexanone	ND	0.0050	"									
4-Chlorotoluene	ND	0.0050	"									
4-Methyl-2-pentanone	ND	0.0050	"									
Acetone	ND	0.010	"									
Acrolein	ND	0.010	"									
Acrylonitrile	ND	0.0050	"									
Benzene	ND	0.0050	"									
Bromobenzene	ND	0.0050	"									
Bromochloromethane	ND	0.0050	"									
Bromodichloromethane	ND	0.0050	"									
Bromoform	ND	0.0050	"									
Bromomethane	0.0028	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	"									



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22582 - EPA 5035A

Blank (BA22582-BLK2)	MeOH Blank	Prepared & Analyzed: 01/27/2022									
Cyclohexane	ND	0.0050	mg/kg wet								
Dibromochloromethane	ND	0.0050	"								
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	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	52.4		ug/L	50.0		105	77-125				
Surrogate: SURRE: Toluene-d8	50.0		"	50.0		99.9	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	49.2		"	50.0		98.4	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22582 - EPA 5035A

LCS (BA22582-BS1)	LCS	Prepared & Analyzed: 01/27/2022									
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.8	75-129				
1,1,1-Trichloroethane	52.0		"	50.0		104	71-137				
1,1,2,2-Tetrachloroethane	44.8		"	50.0		89.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.2	58-146				
1,1,2-Trichloroethane	44.8		"	50.0		89.6	83-123				
1,1-Dichloroethane	44.6		"	50.0		89.2	75-130				
1,1-Dichloroethylene	46.8		"	50.0		93.7	64-137				
1,1-Dichloropropylene	45.8		"	50.0		91.7	77-127				
1,2,3-Trichlorobenzene	49.1		"	50.0		98.1	81-140				
1,2,3-Trichloropropane	47.3		"	50.0		94.5	81-126				
1,2,4-Trichlorobenzene	51.4		"	50.0		103	80-141				
1,2,4-Trimethylbenzene	47.9		"	50.0		95.9	84-125				
1,2-Dibromo-3-chloropropane	46.5		"	50.0		93.1	74-142				
1,2-Dibromoethane	47.9		"	50.0		95.8	86-123				
1,2-Dichlorobenzene	48.6		"	50.0		97.3	85-122				
1,2-Dichloroethane	46.6		"	50.0		93.1	71-133				
1,2-Dichloropropane	43.4		"	50.0		86.7	81-122				
1,3,5-Trimethylbenzene	47.8		"	50.0		95.5	82-126				
1,3-Dichlorobenzene	48.6		"	50.0		97.2	84-124				
1,3-Dichloropropane	43.2		"	50.0		86.4	83-123				
1,4-Dichlorobenzene	49.1		"	50.0		98.3	84-124				
1,4-Dioxane	1120		"	1050		106	10-228				
2,2-Dichloropropane	53.8		"	50.0		108	67-136				
2-Butanone	46.0		"	50.0		92.0	58-147				
2-Chlorotoluene	48.4		"	50.0		96.8	78-127				
2-Hexanone	40.2		"	50.0		80.5	70-139				
4-Chlorotoluene	46.9		"	50.0		93.8	79-125				
4-Methyl-2-pentanone	40.1		"	50.0		80.3	72-132				
Acetone	35.2		"	50.0		70.3	36-155				
Acrolein	26.7		"	50.0		53.5	10-238				
Acrylonitrile	41.5		"	50.0		83.0	66-141				
Benzene	45.2		"	50.0		90.4	77-127				
Bromobenzene	45.0		"	50.0		90.1	77-129				
Bromochloromethane	41.6		"	50.0		83.2	74-129				
Bromodichloromethane	48.0		"	50.0		95.9	81-124				
Bromoform	50.6		"	50.0		101	80-136				
Bromomethane	57.0		"	50.0		114	32-177				
Carbon disulfide	52.4		"	50.0		105	10-136				
Carbon tetrachloride	54.0		"	50.0		108	66-143				
Chlorobenzene	49.2		"	50.0		98.4	86-120				
Chloroethane	49.1		"	50.0		98.2	51-142				
Chloroform	48.6		"	50.0		97.2	76-131				
Chloromethane	34.4		"	50.0		68.8	49-132				
cis-1,2-Dichloroethylene	44.6		"	50.0		89.1	74-132				
cis-1,3-Dichloropropylene	47.7		"	50.0		95.5	81-129				
Cyclohexane	41.7		"	50.0		83.4	70-130				
Dibromochloromethane	50.0		"	50.0		100	10-200				
Dibromomethane	45.0		"	50.0		89.9	83-124				
Dichlorodifluoromethane	45.7		"	50.0		91.3	28-158				
Ethyl Benzene	46.9		"	50.0		93.8	84-125				
Hexachlorobutadiene	53.5		"	50.0		107	83-133				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22582 - EPA 5035A											
LCS (BA22582-BS1)	LCS	Prepared & Analyzed: 01/27/2022									
Isopropylbenzene	49.4		ug/L	50.0		98.8	81-127				
Methyl acetate	36.0		"	50.0		72.1	41-143				
Methyl tert-butyl ether (MTBE)	43.3		"	50.0		86.7	74-131				
Methylcyclohexane	44.8		"	50.0		89.5	70-130				
Methylene chloride	42.2		"	50.0		84.4	57-141				
n-Butylbenzene	49.0		"	50.0		98.1	80-130				
n-Propylbenzene	47.7		"	50.0		95.4	74-136				
o-Xylene	48.3		"	50.0		96.6	83-123				
p- & m- Xylenes	95.2		"	100		95.2	82-128				
p-Isopropyltoluene	50.1		"	50.0		100	85-125				
sec-Butylbenzene	48.0		"	50.0		96.1	83-125				
Styrene	45.6		"	50.0		91.2	86-126				
tert-Butyl alcohol (TBA)	227		"	250		91.0	70-130				
tert-Butylbenzene	49.8		"	50.0		99.6	80-127				
Tetrachloroethylene	44.2		"	50.0		88.4	80-129				
Toluene	45.8		"	50.0		91.6	85-121				
trans-1,2-Dichloroethylene	46.4		"	50.0		92.9	72-132				
trans-1,3-Dichloropropylene	47.5		"	50.0		95.0	78-132				
Trichloroethylene	47.3		"	50.0		94.7	84-123				
Trichlorofluoromethane	54.1		"	50.0		108	62-140				
Vinyl acetate	38.0		"	50.0		76.1	67-136				
Vinyl Chloride	42.4		"	50.0		84.8	52-130				
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>51.6</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.2</i>	<i>85-120</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>	<i>76-130</i>				
LCS Dup (BA22582-BSD1)	LCS Dup	Prepared & Analyzed: 01/27/2022									
1,1,1,2-Tetrachloroethane	52.6		ug/L	50.0		105	75-129	7.43	30		
1,1,1-Trichloroethane	53.2		"	50.0		106	71-137	2.15	30		
1,1,2,2-Tetrachloroethane	49.7		"	50.0		99.4	79-129	10.3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146	2.41	30		
1,1,2-Trichloroethane	48.9		"	50.0		97.7	83-123	8.67	30		
1,1-Dichloroethane	47.7		"	50.0		95.4	75-130	6.80	30		
1,1-Dichloroethylene	49.6		"	50.0		99.1	64-137	5.66	30		
1,1-Dichloropropylene	47.8		"	50.0		95.7	77-127	4.27	30		
1,2,3-Trichlorobenzene	52.6		"	50.0		105	81-140	6.91	30		
1,2,3-Trichloropropane	51.8		"	50.0		104	81-126	9.05	30		
1,2,4-Trichlorobenzene	53.6		"	50.0		107	80-141	4.08	30		
1,2,4-Trimethylbenzene	50.6		"	50.0		101	84-125	5.42	30		
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	74-142	10.5	30		
1,2-Dibromoethane	53.0		"	50.0		106	86-123	10.2	30		
1,2-Dichlorobenzene	50.8		"	50.0		102	85-122	4.33	30		
1,2-Dichloroethane	50.1		"	50.0		100	71-133	7.32	30		
1,2-Dichloropropane	48.0		"	50.0		96.1	81-122	10.2	30		
1,3,5-Trimethylbenzene	50.8		"	50.0		102	82-126	6.17	30		
1,3-Dichlorobenzene	50.9		"	50.0		102	84-124	4.62	30		
1,3-Dichloropropane	48.3		"	50.0		96.6	83-123	11.1	30		
1,4-Dichlorobenzene	51.4		"	50.0		103	84-124	4.42	30		
1,4-Dioxane	1190		"	1050		114	10-228	6.62	30		
2,2-Dichloropropane	56.6		"	50.0		113	67-136	5.14	30		
2-Butanone	44.4		"	50.0		88.8	58-147	3.54	30		



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22582 - EPA 5035A											
LCS Dup (BA22582-bsd1)	LCS Dup	Prepared & Analyzed: 01/27/2022									
2-Chlorotoluene	51.3		ug/L	50.0		103	78-127		5.82	30	
2-Hexanone	47.3		"	50.0		94.6	70-139		16.1	30	
4-Chlorotoluene	55.5		"	50.0		111	79-125		16.8	30	
4-Methyl-2-pentanone	46.7		"	50.0		93.4	72-132		15.1	30	
Acetone	37.3		"	50.0		74.7	36-155		6.04	30	
Acrolein	29.4		"	50.0		58.9	10-238		9.65	30	
Acrylonitrile	46.3		"	50.0		92.5	66-141		10.9	30	
Benzene	47.7		"	50.0		95.4	77-127		5.34	30	
Bromobenzene	49.0		"	50.0		98.1	77-129		8.48	30	
Bromochloromethane	46.1		"	50.0		92.2	74-129		10.2	30	
Bromodichloromethane	52.4		"	50.0		105	81-124		8.81	30	
Bromoform	55.3		"	50.0		111	80-136		8.71	30	
Bromomethane	60.4		"	50.0		121	32-177		5.80	30	
Carbon disulfide	55.0		"	50.0		110	10-136		4.73	30	
Carbon tetrachloride	55.9		"	50.0		112	66-143		3.31	30	
Chlorobenzene	52.8		"	50.0		106	86-120		7.04	30	
Chloroethane	51.0		"	50.0		102	51-142		3.88	30	
Chloroform	51.4		"	50.0		103	76-131		5.54	30	
Chloromethane	36.3		"	50.0		72.6	49-132		5.46	30	
cis-1,2-Dichloroethylene	47.7		"	50.0		95.5	74-132		6.87	30	
cis-1,3-Dichloropropylene	52.5		"	50.0		105	81-129		9.44	30	
Cyclohexane	44.0		"	50.0		87.9	70-130		5.21	30	
Dibromochloromethane	55.6		"	50.0		111	10-200		10.7	30	
Dibromomethane	50.9		"	50.0		102	83-124		12.3	30	
Dichlorodifluoromethane	46.6		"	50.0		93.2	28-158		2.02	30	
Ethyl Benzene	50.4		"	50.0		101	84-125		7.21	30	
Hexachlorobutadiene	55.2		"	50.0		110	83-133		3.20	30	
Isopropylbenzene	51.5		"	50.0		103	81-127		4.18	30	
Methyl acetate	40.5		"	50.0		80.9	41-143		11.6	30	
Methyl tert-butyl ether (MTBE)	47.1		"	50.0		94.2	74-131		8.34	30	
Methylcyclohexane	47.8		"	50.0		95.6	70-130		6.55	30	
Methylene chloride	45.7		"	50.0		91.5	57-141		8.07	30	
n-Butylbenzene	51.0		"	50.0		102	80-130		3.94	30	
n-Propylbenzene	50.1		"	50.0		100	74-136		4.87	30	
o-Xylene	52.0		"	50.0		104	83-123		7.30	30	
p- & m- Xylenes	102		"	100		102	82-128		7.09	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		2.56	30	
sec-Butylbenzene	50.1		"	50.0		100	83-125		4.10	30	
Styrene	49.2		"	50.0		98.4	86-126		7.61	30	
tert-Butyl alcohol (TBA)	257		"	250		103	70-130		12.2	30	
tert-Butylbenzene	51.4		"	50.0		103	80-127		3.18	30	
Tetrachloroethylene	46.4		"	50.0		92.7	80-129		4.79	30	
Toluene	49.1		"	50.0		98.2	85-121		6.87	30	
trans-1,2-Dichloroethylene	48.7		"	50.0		97.4	72-132		4.69	30	
trans-1,3-Dichloropropylene	53.2		"	50.0		106	78-132		11.2	30	
Trichloroethylene	51.3		"	50.0		103	84-123		8.13	30	
Trichlorofluoromethane	55.1		"	50.0		110	62-140		1.81	30	
Vinyl acetate	40.9		"	50.0		81.8	67-136		7.27	30	
Vinyl Chloride	43.4		"	50.0		86.8	52-130		2.33	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	52.6		"	50.0		105	77-125				
Surrogate: Surr: Toluene-d8	50.0		"	50.0		100	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22582 - EPA 5035A											
LCS Dup (BA22582-BSD1)							Prepared & Analyzed: 01/27/2022				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>		49.5	ug/L	50.0		99.0	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22424 - EPA 3510C

Blank (BA22424-BLK1)	Blank										
Prepared & Analyzed: 01/26/2022											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
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	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22424 - EPA 3510C

Blank (BA22424-BLK1) Blank

Prepared & Analyzed: 01/26/2022

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								

Surrogate: SURR: 2-Fluorophenol	11.2		"	50.0		22.3	19.7-63.1				
Surrogate: SURR: Phenol-d5	6.11		"	50.0		12.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	10.6		"	25.0		42.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	13.5		"	25.0		54.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	36.6		"	50.0		73.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.1		"	25.0		68.5	30.7-106				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22424 - EPA 3510C

Blank (BA22424-BLK2)	Blank										
											Prepared & Analyzed: 01/26/2022
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
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	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22424 - EPA 3510C

Blank (BA22424-BLK2)	Blank	Prepared & Analyzed: 01/26/2022									
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22424 - EPA 3510C											
LCS (BA22424-BS1)	LCS	Prepared & Analyzed: 01/26/2022									
1,1-Biphenyl	14.8	5.00	ug/L	25.0		59.1	33-95				
1,2,4,5-Tetrachlorobenzene	18.5	5.00	"	25.0		74.2	26-120				
1,2,4-Trichlorobenzene	17.4	5.00	"	25.0		69.7	20-118				
1,2-Dichlorobenzene	14.2	5.00	"	25.0		56.9	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	10.1	5.00	"	25.0		40.3	16-141				
1,3-Dichlorobenzene	14.0	5.00	"	25.0		55.9	23-117				
1,4-Dichlorobenzene	14.1	5.00	"	25.0		56.2	30-105				
2,3,4,6-Tetrachlorophenol	15.4	5.00	"	25.0		61.5	30-130				
2,4,5-Trichlorophenol	16.8	5.00	"	25.0		67.0	32-114				
2,4,6-Trichlorophenol	19.5	5.00	"	25.0		78.0	35-118				
2,4-Dichlorophenol	17.8	5.00	"	25.0		71.3	25-116				
2,4-Dimethylphenol	12.4	5.00	"	25.0		49.5	15-116				
2,4-Dinitrophenol	ND	5.00	"	25.0			10-170	Low Bias			
2,4-Dinitrotoluene	14.0	5.00	"	25.0		55.8	41-128				
2,6-Dinitrotoluene	15.0	5.00	"	25.0		60.2	45-116				
2-Chloronaphthalene	15.5	5.00	"	25.0		62.0	33-112				
2-Chlorophenol	13.3	5.00	"	25.0		53.3	15-120				
2-Methylnaphthalene	16.0	5.00	"	25.0		63.9	24-118				
2-Methylphenol	10.8	5.00	"	25.0		43.4	10-110				
2-Nitroaniline	18.5	5.00	"	25.0		74.0	34-129				
2-Nitrophenol	10.9	5.00	"	25.0		43.4	28-118				
3- & 4-Methylphenols	8.58	5.00	"	25.0		34.3	10-107				
3,3-Dichlorobenzidine	14.2	5.00	"	25.0		56.8	15-187				
3-Nitroaniline	17.3	5.00	"	25.0		69.4	24-134				
4,6-Dinitro-2-methylphenol	ND	5.00	"	25.0			10-153	Low Bias			
4-Bromophenyl phenyl ether	16.9	5.00	"	25.0		67.6	34-120				
4-Chloro-3-methylphenol	16.0	5.00	"	25.0		64.0	20-120				
4-Chloroaniline	12.8	5.00	"	25.0		51.1	10-147				
4-Chlorophenyl phenyl ether	17.8	5.00	"	25.0		71.0	27-121				
4-Nitroaniline	17.8	5.00	"	25.0		71.3	13-134				
4-Nitrophenol	ND	5.00	"	25.0			10-131	Low Bias			
Acenaphthene	15.6	0.0500	"	25.0		62.5	25-116				
Acenaphthylene	15.1	0.0500	"	25.0		60.4	26-116				
Acetophenone	14.2	5.00	"	25.0		56.8	25-110				
Aniline	16.5	5.00	"	25.0		66.1	10-117				
Anthracene	16.2	0.0500	"	25.0		64.9	25-123				
Benzaldehyde	14.5	5.00	"	25.0		58.0	29-117				
Benzo(a)anthracene	16.9	0.0500	"	25.0		67.6	33-125				
Benzo(a)pyrene	17.2	0.0500	"	25.0		69.0	32-132				
Benzo(b)fluoranthene	16.4	0.0500	"	25.0		65.7	22-137				
Benzo(g,h,i)perylene	17.2	0.0500	"	25.0		68.7	10-138				
Benzo(k)fluoranthene	16.5	0.0500	"	25.0		66.1	20-137				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	9.76	5.00	"	25.0		39.0	10-117				
Benzyl butyl phthalate	16.0	5.00	"	25.0		64.0	29-133				
Bis(2-chloroethoxy)methane	12.5	5.00	"	25.0		50.0	10-154				
Bis(2-chloroethyl)ether	22.9	5.00	"	25.0		91.6	17-125				
Bis(2-chloroisopropyl)ether	9.06	5.00	"	25.0		36.2	10-139				
Bis(2-ethylhexyl)phthalate	16.5	0.500	"	25.0		66.1	10-189				
Caprolactam	3.76	5.00	"	25.0		15.0	10-137				
Carbazole	15.5	5.00	"	25.0		61.8	42-126				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22424 - EPA 3510C											
LCS (BA22424-BS1)	LCS										Prepared & Analyzed: 01/26/2022
Chrysene	16.4	0.0500	ug/L	25.0		65.5	32-124				
Dibenzo(a,h)anthracene	18.6	0.0500	"	25.0		74.4	16-133				
Dibenzofuran	16.4	5.00	"	25.0		65.7	36-113				
Diethyl phthalate	14.4	5.00	"	25.0		57.8	38-115				
Dimethyl phthalate	15.4	5.00	"	25.0		61.4	38-129				
Di-n-butyl phthalate	14.6	5.00	"	25.0		58.6	31-120				
Di-n-octyl phthalate	16.8	5.00	"	25.0		67.0	21-149				
Fluoranthene	16.2	0.0500	"	25.0		64.6	32-121				
Fluorene	16.2	0.0500	"	25.0		64.6	28-118				
Hexachlorobenzene	12.9	0.0200	"	25.0		51.6	23-124				
Hexachlorobutadiene	17.1	0.500	"	25.0		68.4	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Hexachloroethane	8.32	0.500	"	25.0		33.3	18-115				
Indeno(1,2,3-cd)pyrene	16.3	0.0500	"	25.0		65.2	15-135				
Isophorone	12.2	5.00	"	25.0		48.6	25-127				
Naphthalene	15.3	0.0500	"	25.0		61.0	18-120				
Nitrobenzene	11.7	0.250	"	25.0		46.8	21-121				
N-Nitrosodimethylamine	5.65	0.500	"	25.0		22.6	10-124				
N-nitroso-di-n-propylamine	10.5	5.00	"	25.0		41.9	26-122				
N-Nitrosodiphenylamine	17.6	5.00	"	25.0		70.2	23-149				
Pentachlorophenol	8.01	0.250	"	25.0		32.0	10-156				
Phenanthrene	15.9	0.0500	"	25.0		63.5	24-127				
Phenol	5.31	5.00	"	25.0		21.2	10-110				
Pyrene	17.6	0.0500	"	25.0		70.6	31-132				
Pyridine	8.82	5.00	"	25.5		34.6	10-90				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>14.2</i>		<i>"</i>	<i>50.0</i>		<i>28.3</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>7.94</i>		<i>"</i>	<i>50.0</i>		<i>15.9</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>12.1</i>		<i>"</i>	<i>25.0</i>		<i>48.4</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>15.2</i>		<i>"</i>	<i>25.0</i>		<i>60.6</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>39.2</i>		<i>"</i>	<i>50.0</i>		<i>78.4</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>17.8</i>		<i>"</i>	<i>25.0</i>		<i>71.4</i>	<i>30.7-106</i>				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22424 - EPA 3510C											
LCS (BA22424-BS2)	LCS	Prepared & Analyzed: 01/26/2022									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.690	0.0500	"	1.00		69.0	25-116				
Acenaphthylene	0.780	0.0500	"	1.00		78.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.780	0.0500	"	1.00		78.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.900	0.0500	"	1.00		90.0	33-125				
Benzo(a)pyrene	1.01	0.0500	"	1.00		101	32-132				
Benzo(b)fluoranthene	1.03	0.0500	"	1.00		103	22-137				
Benzo(g,h,i)perylene	1.06	0.0500	"	1.00		106	10-138				
Benzo(k)fluoranthene	0.940	0.0500	"	1.00		94.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	0.980	0.500	"	1.00		98.0	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22424 - EPA 3510C

LCS (BA22424-BS2)	LCS	Prepared & Analyzed: 01/26/2022									
Chrysene	0.890	0.0500	ug/L	1.00		89.0	32-124				
Dibenzo(a,h)anthracene	1.12	0.0500	"	1.00		112	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Fluoranthene	0.840	0.0500	"	1.00		84.0	32-121				
Fluorene	0.790	0.0500	"	1.00		79.0	28-118				
Hexachlorobenzene	0.670	0.0200	"	1.00		67.0	23-124				
Hexachlorobutadiene	0.670	0.500	"	1.00		67.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.610	0.500	"	1.00		61.0	18-115				
Indeno(1,2,3-cd)pyrene	0.990	0.0500	"	1.00		99.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.740	0.0500	"	1.00		74.0	18-120				
Nitrobenzene	0.710	0.250	"	1.00		71.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.280	0.250	"	1.00		28.0	10-156				
Phenanthrene	0.760	0.0500	"	1.00		76.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.860	0.0500	"	1.00		86.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22424 - EPA 3510C											
LCS Dup (BA22424-BS1)	LCS Dup	Prepared & Analyzed: 01/26/2022									
1,1-Biphenyl	15.6	5.00	ug/L	25.0		62.2	33-95		5.21	20	
1,2,4,5-Tetrachlorobenzene	19.5	5.00	"	25.0		78.0	26-120		5.00	20	
1,2,4-Trichlorobenzene	17.6	5.00	"	25.0		70.5	20-118		1.14	20	
1,2-Dichlorobenzene	14.8	5.00	"	25.0		59.0	29-111		3.66	20	
1,2-Diphenylhydrazine (as Azobenzene)	10.6	5.00	"	25.0		42.6	16-141		5.60	20	
1,3-Dichlorobenzene	14.1	5.00	"	25.0		56.4	23-117		0.855	20	
1,4-Dichlorobenzene	14.5	5.00	"	25.0		58.2	30-105		3.36	20	
2,3,4,6-Tetrachlorophenol	16.0	5.00	"	25.0		64.2	30-130		4.20	20	
2,4,5-Trichlorophenol	17.4	5.00	"	25.0		69.4	32-114		3.52	20	
2,4,6-Trichlorophenol	20.2	5.00	"	25.0		80.8	35-118		3.52	20	
2,4-Dichlorophenol	18.3	5.00	"	25.0		73.0	25-116		2.38	20	
2,4-Dimethylphenol	12.2	5.00	"	25.0		48.8	15-116		1.47	20	
2,4-Dinitrophenol	ND	5.00	"	25.0			10-170	Low Bias		20	
2,4-Dinitrotoluene	14.9	5.00	"	25.0		59.4	41-128		6.25	20	
2,6-Dinitrotoluene	15.6	5.00	"	25.0		62.4	45-116		3.65	20	
2-Chloronaphthalene	16.0	5.00	"	25.0		63.8	33-112		2.92	20	
2-Chlorophenol	13.4	5.00	"	25.0		53.5	15-120		0.375	20	
2-Methylnaphthalene	16.7	5.00	"	25.0		66.8	24-118		4.53	20	
2-Methylphenol	10.6	5.00	"	25.0		42.6	10-110		1.77	20	
2-Nitroaniline	19.2	5.00	"	25.0		76.8	34-129		3.72	20	
2-Nitrophenol	10.8	5.00	"	25.0		43.0	28-118		1.02	20	
3- & 4-Methylphenols	8.68	5.00	"	25.0		34.7	10-107		1.16	20	
3,3-Dichlorobenzidine	15.5	5.00	"	25.0		62.0	15-187		8.62	20	
3-Nitroaniline	18.3	5.00	"	25.0		73.2	24-134		5.44	20	
4,6-Dinitro-2-methylphenol	ND	5.00	"	25.0			10-153	Low Bias		20	
4-Bromophenyl phenyl ether	17.9	5.00	"	25.0		71.7	34-120		5.92	20	
4-Chloro-3-methylphenol	16.7	5.00	"	25.0		66.9	20-120		4.40	20	
4-Chloroaniline	12.5	5.00	"	25.0		50.1	10-147		1.98	20	
4-Chlorophenyl phenyl ether	18.6	5.00	"	25.0		74.6	27-121		4.89	20	
4-Nitroaniline	18.7	5.00	"	25.0		74.7	13-134		4.66	20	
4-Nitrophenol	ND	5.00	"	25.0			10-131	Low Bias		20	
Acenaphthene	16.1	0.0500	"	25.0		64.5	25-116		3.09	20	
Acenaphthylene	15.7	0.0500	"	25.0		62.7	26-116		3.77	20	
Acetophenone	14.6	5.00	"	25.0		58.2	25-110		2.50	20	
Aniline	16.7	5.00	"	25.0		66.8	10-117		0.963	20	
Anthracene	17.0	0.0500	"	25.0		68.1	25-123		4.81	20	
Benzaldehyde	14.9	5.00	"	25.0		59.6	29-117		2.72	20	
Benzo(a)anthracene	18.0	0.0500	"	25.0		72.0	33-125		6.36	20	
Benzo(a)pyrene	18.0	0.0500	"	25.0		71.8	32-132		4.04	20	
Benzo(b)fluoranthene	17.4	0.0500	"	25.0		69.7	22-137		5.85	20	
Benzo(g,h,i)perylene	17.9	0.0500	"	25.0		71.8	10-138		4.39	20	
Benzo(k)fluoranthene	17.4	0.0500	"	25.0		69.8	20-137		5.48	20	
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	9.78	5.00	"	25.0		39.1	10-117		0.205	20	
Benzyl butyl phthalate	17.2	5.00	"	25.0		68.7	29-133		7.11	20	
Bis(2-chloroethoxy)methane	13.0	5.00	"	25.0		51.8	10-154		3.62	20	
Bis(2-chloroethyl)ether	23.1	5.00	"	25.0		92.4	17-125		0.913	20	
Bis(2-chloroisopropyl)ether	9.37	5.00	"	25.0		37.5	10-139		3.36	20	
Bis(2-ethylhexyl)phthalate	17.9	0.500	"	25.0		71.5	10-189		7.85	20	
Caprolactam	3.76	5.00	"	25.0		15.0	10-137		0.00	20	
Carbazole	16.4	5.00	"	25.0		65.7	42-126		6.02	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22424 - EPA 3510C											
LCS Dup (BA22424-BSD1)	LCS Dup	Prepared & Analyzed: 01/26/2022									
Chrysene	17.4	0.0500	ug/L	25.0		69.8	32-124		6.33	20	
Dibenzo(a,h)anthracene	19.9	0.0500	"	25.0		79.5	16-133		6.66	20	
Dibenzofuran	17.0	5.00	"	25.0		67.8	36-113		3.24	20	
Diethyl phthalate	15.3	5.00	"	25.0		61.1	38-115		5.65	20	
Dimethyl phthalate	16.0	5.00	"	25.0		64.2	38-129		4.40	20	
Di-n-butyl phthalate	15.4	5.00	"	25.0		61.6	31-120		5.06	20	
Di-n-octyl phthalate	17.8	5.00	"	25.0		71.3	21-149		6.19	20	
Fluoranthene	17.1	0.0500	"	25.0		68.2	32-121		5.42	20	
Fluorene	16.8	0.0500	"	25.0		67.3	28-118		4.06	20	
Hexachlorobenzene	13.4	0.0200	"	25.0		53.4	23-124		3.51	20	
Hexachlorobutadiene	17.9	0.500	"	25.0		71.6	15-123		4.46	20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias		20	
Hexachloroethane	8.28	0.500	"	25.0		33.1	18-115		0.482	20	
Indeno(1,2,3-cd)pyrene	17.4	0.0500	"	25.0		69.5	15-135		6.41	20	
Isophorone	12.7	5.00	"	25.0		50.9	25-127		4.58	20	
Naphthalene	15.2	0.0500	"	25.0		60.8	18-120		0.394	20	
Nitrobenzene	12.2	0.250	"	25.0		48.8	21-121		4.10	20	
N-Nitrosodimethylamine	5.73	0.500	"	25.0		22.9	10-124		1.41	20	
N-nitroso-di-n-propylamine	10.8	5.00	"	25.0		43.2	26-122		3.01	20	
N-Nitrosodiphenylamine	18.4	5.00	"	25.0		73.5	23-149		4.57	20	
Pentachlorophenol	9.43	0.250	"	25.0		37.7	10-156		16.3	20	
Phenanthrene	16.7	0.0500	"	25.0		66.7	24-127		4.91	20	
Phenol	5.33	5.00	"	25.0		21.3	10-110		0.376	20	
Pyrene	18.6	0.0500	"	25.0		74.6	31-132		5.46	20	
Pyridine	9.05	5.00	"	25.5		35.5	10-90		2.57	20	
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>14.2</i>		<i>"</i>	<i>50.0</i>		<i>28.4</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>7.80</i>		<i>"</i>	<i>50.0</i>		<i>15.6</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>12.5</i>		<i>"</i>	<i>25.0</i>		<i>50.1</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>15.5</i>		<i>"</i>	<i>25.0</i>		<i>62.0</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>41.5</i>		<i>"</i>	<i>50.0</i>		<i>83.0</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>18.9</i>		<i>"</i>	<i>25.0</i>		<i>75.5</i>	<i>30.7-106</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22428 - EPA 3546 SVOA

Blank (BA22428-BLK1) Blank

Prepared: 01/26/2022 Analyzed: 01/27/2022

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





Semivolatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22428 - EPA 3546 SVOA

Blank (BA22428-BLK1) Blank Prepared: 01/26/2022 Analyzed: 01/27/2022

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>1.16</i>		<i>"</i>	<i>1.66</i>		<i>69.9</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>1.05</i>		<i>"</i>	<i>1.66</i>		<i>63.3</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.491</i>		<i>"</i>	<i>0.831</i>		<i>59.1</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.526</i>		<i>"</i>	<i>0.831</i>		<i>63.4</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>1.08</i>		<i>"</i>	<i>1.66</i>		<i>65.3</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.512</i>		<i>"</i>	<i>0.831</i>		<i>61.6</i>	<i>24-116</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22428 - EPA 3546 SVOA

LCS (BA22428-BS1) LCS Prepared: 01/26/2022 Analyzed: 01/27/2022

1,1-Biphenyl	0.557	0.0416	mg/kg wet	0.831		67.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.517	0.0830	"	0.831		62.3	21-131				
1,2,4-Trichlorobenzene	0.548	0.0416	"	0.831		65.9	10-140				
1,2-Dichlorobenzene	0.476	0.0416	"	0.831		57.3	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.456	0.0416	"	0.831		55.0	17-137				
1,3-Dichlorobenzene	0.441	0.0416	"	0.831		53.0	33-110				
1,4-Dichlorobenzene	0.491	0.0416	"	0.831		59.2	32-104				
2,3,4,6-Tetrachlorophenol	0.515	0.0830	"	0.831		62.0	30-130				
2,4,5-Trichlorophenol	0.527	0.0416	"	0.831		63.5	27-118				
2,4,6-Trichlorophenol	0.527	0.0416	"	0.831		63.5	31-120				
2,4-Dichlorophenol	0.564	0.0416	"	0.831		67.9	20-127				
2,4-Dimethylphenol	0.534	0.0416	"	0.831		64.3	14-132				
2,4-Dinitrophenol	0.390	0.0830	"	0.831		47.0	10-171				
2,4-Dinitrotoluene	0.466	0.0416	"	0.831		56.1	34-131				
2,6-Dinitrotoluene	0.488	0.0416	"	0.831		58.7	31-128				
2-Chloronaphthalene	0.483	0.0416	"	0.831		58.2	31-117				
2-Chlorophenol	0.491	0.0416	"	0.831		59.2	33-113				
2-Methylnaphthalene	0.564	0.0416	"	0.831		68.0	12-138				
2-Methylphenol	0.487	0.0416	"	0.831		58.6	10-136				
2-Nitroaniline	0.477	0.0830	"	0.831		57.4	27-132				
2-Nitrophenol	0.559	0.0416	"	0.831		67.3	17-129				
3- & 4-Methylphenols	0.402	0.0416	"	0.831		48.4	29-103				
3,3-Dichlorobenzidine	0.587	0.0416	"	0.831		70.7	22-149				
3-Nitroaniline	0.304	0.0830	"	0.831		36.6	20-133				
4,6-Dinitro-2-methylphenol	0.392	0.0830	"	0.831		47.2	10-143				
4-Bromophenyl phenyl ether	0.524	0.0416	"	0.831		63.1	29-120				
4-Chloro-3-methylphenol	0.517	0.0416	"	0.831		62.3	24-129				
4-Chloroaniline	0.208	0.0416	"	0.831		25.0	10-132				
4-Chlorophenyl phenyl ether	0.525	0.0416	"	0.831		63.2	27-124				
4-Nitroaniline	0.436	0.0830	"	0.831		52.5	16-128				
4-Nitrophenol	0.502	0.0830	"	0.831		60.4	10-141				
Acenaphthene	0.505	0.0416	"	0.831		60.8	30-121				
Acenaphthylene	0.475	0.0416	"	0.831		57.2	30-115				
Acetophenone	0.511	0.0416	"	0.831		61.6	20-112				
Aniline	0.414	0.166	"	0.831		49.9	10-119				
Anthracene	0.524	0.0416	"	0.831		63.0	34-118				
Atrazine	0.581	0.0416	"	0.831		70.0	26-112				
Benzaldehyde	0.515	0.0416	"	0.831		62.0	21-100				
Benzo(a)anthracene	0.519	0.0416	"	0.831		62.5	32-122				
Benzo(a)pyrene	0.502	0.0416	"	0.831		60.5	29-133				
Benzo(b)fluoranthene	0.517	0.0416	"	0.831		62.2	25-133				
Benzo(g,h,i)perylene	0.600	0.0416	"	0.831		72.2	10-143				
Benzo(k)fluoranthene	0.499	0.0416	"	0.831		60.1	25-128				
Benzoic acid	0.338	0.0416	"	0.831		40.7	10-140				
Benzyl alcohol	0.452	0.0416	"	0.831		54.4	30-115				
Benzyl butyl phthalate	0.552	0.0416	"	0.831		66.5	26-126				
Bis(2-chloroethoxy)methane	0.549	0.0416	"	0.831		66.1	19-132				
Bis(2-chloroethyl)ether	0.437	0.0416	"	0.831		52.6	19-125				
Bis(2-chloroisopropyl)ether	0.415	0.0416	"	0.831		49.9	20-135				
Bis(2-ethylhexyl)phthalate	0.572	0.0416	"	0.831		68.8	10-155				
Caprolactam	0.618	0.0830	"	0.831		74.4	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22428 - EPA 3546 SVOA

LCS (BA22428-BS1)	LCS	Prepared: 01/26/2022 Analyzed: 01/27/2022									
Carbazole	0.498	0.0416	mg/kg wet	0.831		59.9	35-123				
Chrysene	0.455	0.0416	"	0.831		54.8	32-123				
Dibenzo(a,h)anthracene	0.615	0.0416	"	0.831		74.1	10-136				
Dibenzofuran	0.473	0.0416	"	0.831		57.0	29-121				
Diethyl phthalate	0.522	0.0416	"	0.831		62.9	34-116				
Dimethyl phthalate	0.491	0.0416	"	0.831		59.1	35-124				
Di-n-butyl phthalate	0.536	0.0416	"	0.831		64.5	31-116				
Di-n-octyl phthalate	0.608	0.0416	"	0.831		73.2	26-136				
Fluoranthene	0.514	0.0416	"	0.831		61.9	33-122				
Fluorene	0.493	0.0416	"	0.831		59.4	29-123				
Hexachlorobenzene	0.508	0.0416	"	0.831		61.1	21-124				
Hexachlorobutadiene	0.633	0.0416	"	0.831		76.2	10-149				
Hexachlorocyclopentadiene	0.456	0.0416	"	0.831		55.0	10-129				
Hexachloroethane	0.453	0.0416	"	0.831		54.6	28-108				
Indeno(1,2,3-cd)pyrene	0.589	0.0416	"	0.831		71.0	10-135				
Isophorone	0.562	0.0416	"	0.831		67.6	20-132				
Naphthalene	0.510	0.0416	"	0.831		61.4	23-124				
Nitrobenzene	0.536	0.0416	"	0.831		64.5	13-132				
N-Nitrosodimethylamine	0.490	0.0416	"	0.831		59.0	11-129				
N-nitroso-di-n-propylamine	0.467	0.0416	"	0.831		56.2	24-119				
N-Nitrosodiphenylamine	0.566	0.0416	"	0.831		68.2	22-152				
Pentachlorophenol	0.466	0.0416	"	0.831		56.2	10-139				
Phenanthrene	0.485	0.0416	"	0.831		58.4	33-123				
Phenol	0.447	0.0416	"	0.831		53.8	23-115				
Pyrene	0.468	0.0416	"	0.831		56.4	24-130				
Pyridine	0.426	0.166	"	0.831		51.3	10-91				
Surrogate: SURRE: 2-Fluorophenol	1.13		"	1.66		68.3	20-108				
Surrogate: SURRE: Phenol-d5	1.04		"	1.66		62.8	23-114				
Surrogate: SURRE: Nitrobenzene-d5	0.596		"	0.831		71.8	22-108				
Surrogate: SURRE: 2-Fluorobiphenyl	0.554		"	0.831		66.7	21-113				
Surrogate: SURRE: 2,4,6-Tribromophenol	1.27		"	1.66		76.3	19-110				
Surrogate: SURRE: Terphenyl-d14	0.594		"	0.831		71.6	24-116				





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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22445 - EPA 3015A

Blank (BA22445-BLK1)		Blank		Prepared & Analyzed: 01/26/2022							
Aluminum	0.271	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BA22445-BS1)		LCS		Prepared & Analyzed: 01/26/2022							
Aluminum	2.12		ug/mL	2.00	106	80-120					
Barium	2.22		"	2.00	111	80-120					
Calcium	1.10		"	1.00	110	80-120					
Chromium	0.210		"	0.200	105	80-120					
Cobalt	0.542		"	0.500	108	80-120					
Copper	0.276		"	0.250	110	80-120					
Iron	1.06		"	1.00	106	80-120					
Lead	0.539		"	0.500	108	80-120					
Magnesium	1.08		"	1.00	108	80-120					
Manganese	0.551		"	0.500	110	80-120					
Nickel	0.521		"	0.500	104	80-120					
Potassium	1.05		"	1.00	105	80-120					
Silver	0.0483		"	0.0500	96.7	80-120					
Sodium	0.840		"	1.00	84.0	80-120					
Vanadium	0.534		"	0.500	107	80-120					
Zinc	0.509		"	0.500	102	80-120					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22445 - EPA 3015A

Duplicate (BA22445-DUP1)	Duplicate	*Source sample: 22A0992-09 (045_FB_20220125)					Prepared & Analyzed: 01/26/2022					
Aluminum		0.140	0.0556	mg/L		0.153				8.97	20	
Barium		ND	0.0278	"		ND					20	
Calcium		0.321	0.0556	"		0.154				70.4	20	Non-dir.
Chromium		ND	0.00556	"		ND					20	
Cobalt		ND	0.00444	"		ND					20	
Copper		ND	0.0222	"		ND					20	
Iron		ND	0.278	"		ND					20	
Lead		ND	0.00556	"		ND					20	
Magnesium		ND	0.0556	"		ND					20	
Manganese		ND	0.00556	"		ND					20	
Nickel		ND	0.0111	"		ND					20	
Potassium		ND	0.0556	"		ND					20	
Silver		ND	0.00556	"		ND					20	
Sodium		ND	0.556	"		ND					20	
Vanadium		ND	0.0111	"		ND					20	
Zinc		ND	0.0278	"		ND					20	

Matrix Spike (BA22445-MS1)	Matrix Spike	*Source sample: 22A0992-09 (045_FB_20220125)					Prepared & Analyzed: 01/26/2022					
Aluminum		2.39	0.0556	mg/L	2.22	0.153	101	75-125				
Barium		2.35	0.0278	"	2.22	ND	106	75-125				
Calcium		1.28	0.0556	"	1.11	0.154	101	75-125				
Chromium		0.223	0.00556	"	0.222	ND	100	75-125				
Cobalt		0.574	0.00444	"	0.556	ND	103	75-125				
Copper		0.298	0.0222	"	0.278	ND	107	75-125				
Iron		1.32	0.278	"	1.11	ND	119	75-125				
Lead		0.577	0.00556	"	0.556	ND	104	75-125				
Magnesium		1.27	0.0556	"	1.11	ND	114	75-125				
Manganese		0.586	0.00556	"	0.556	ND	106	75-125				
Nickel		0.576	0.0111	"	0.556	ND	104	75-125				
Potassium		1.11	0.0556	"	1.11	ND	99.7	75-125				
Silver		0.0532	0.00556	"	0.0556	ND	95.7	75-125				
Sodium		0.998	0.556	"	1.11	ND	89.8	75-125				
Vanadium		0.568	0.0111	"	0.556	ND	102	75-125				
Zinc		0.529	0.0278	"	0.556	ND	95.2	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22445 - EPA 3015A

Post Spike (BA22445-PS1)	Post Spike	*Source sample: 22A0992-09 (045_FB_20220125)					Prepared & Analyzed: 01/26/2022					
Aluminum		2.06	ug/mL	2.00	0.138	95.9	75-125					
Barium		2.19	"	2.00	-0.000170	110	75-125					
Calcium		1.18	"	1.00	0.139	104	75-125					
Chromium		0.208	"	0.200	0.000522	104	75-125					
Cobalt		0.534	"	0.500	-0.000503	107	75-125					
Copper		0.279	"	0.250	0.000271	112	75-125					
Iron		1.15	"	1.00	0.0759	107	75-125					
Lead		0.550	"	0.500	-0.000972	110	75-125					
Magnesium		1.15	"	1.00	0.0339	112	75-125					
Manganese		0.544	"	0.500	0.00170	109	75-125					
Nickel		0.535	"	0.500	-0.00833	107	75-125					
Potassium		1.17	"	1.00	-0.150	117	75-125					
Silver		0.0474	"	0.0500	0.00119	92.4	75-125					
Sodium		0.952	"	1.00	-0.0732	95.2	75-125					
Vanadium		0.528	"	0.500	0.000747	105	75-125					
Zinc		0.494	"	0.500	0.00668	97.5	75-125					

Batch BA22568 - EPA 3050B

Blank (BA22568-BLK1)	Blank	Prepared: 01/27/2022 Analyzed: 01/28/2022										
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	13.2	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22568 - EPA 3050B

Duplicate (BA22568-DUP1)	Duplicate	*Source sample: 22A0992-07 (043_LSB-11_2-4)					Prepared: 01/27/2022 Analyzed: 01/28/2022					
Aluminum		14300	6.21	mg/kg dry		15400				6.81	35	
Antimony		3.91	3.11	"		3.34				16.0	35	
Arsenic		2.08	1.86	"		1.98				4.93	35	
Barium		49.8	3.11	"		48.9				1.91	35	
Beryllium		ND	0.062	"		ND					35	
Cadmium		ND	0.373	"		ND					35	
Calcium		1620	6.21	"		1810				11.5	35	
Chromium		20.7	0.621	"		20.0				3.55	35	
Cobalt		4.60	0.497	"		4.55				1.11	35	
Copper		19.6	2.48	"		17.3				12.4	35	
Iron		28300	31.1	"		25400				10.8	35	
Lead		8.16	0.621	"		8.44				3.40	35	
Magnesium		2000	6.21	"		2180				8.42	35	
Manganese		53.7	0.621	"		56.5				5.07	35	
Nickel		14.6	1.24	"		16.6				13.0	35	
Potassium		936	6.21	"		1050				11.6	35	
Selenium		ND	3.11	"		ND					35	
Silver		ND	0.621	"		ND					35	
Sodium		64.5	62.1	"		74.3				14.1	35	
Thallium		ND	3.11	"		ND					35	
Vanadium		32.6	1.24	"		29.3				10.7	35	
Zinc		29.9	3.11	"		26.5				12.2	35	

Matrix Spike (BA22568-MS1)	Matrix Spike	*Source sample: 22A0992-07 (043_LSB-11_2-4)					Prepared: 01/27/2022 Analyzed: 01/28/2022					
Aluminum		13800	6.21	mg/kg dry	248	15400	NR	75-125	Low Bias			
Antimony		15.8	3.11	"	31.1	3.34	40.1	75-125	Low Bias			
Arsenic		246	1.86	"	248	1.98	98.3	75-125				
Barium		324	3.11	"	248	48.9	111	75-125				
Beryllium		5.83	0.062	"	6.21	ND	93.9	75-125				
Cadmium		6.36	0.373	"	6.21	ND	102	75-125				
Calcium		1900	6.21	"	124	1810	72.5	75-125	Low Bias			
Chromium		46.1	0.621	"	24.8	20.0	105	75-125				
Cobalt		73.8	0.497	"	62.1	4.55	112	75-125				
Copper		55.5	2.48	"	31.1	17.3	123	75-125				
Iron		32800	31.1	"	124	25400	NR	75-125	High Bias			
Lead		75.9	0.621	"	62.1	8.44	109	75-125				
Magnesium		2260	6.21	"	124	2180	64.4	75-125	Low Bias			
Manganese		126	0.621	"	62.1	56.5	111	75-125				
Nickel		89.2	1.24	"	62.1	16.6	117	75-125				
Potassium		1010	6.21	"	124	1050	NR	75-125	Low Bias			
Selenium		184	3.11	"	248	ND	74.0	75-125	Low Bias			
Silver		6.40	0.621	"	6.21	ND	103	75-125				
Sodium		202	62.1	"	124	74.3	103	75-125				
Thallium		241	3.11	"	248	ND	97.1	75-125				
Vanadium		97.4	1.24	"	62.1	29.3	110	75-125				
Zinc		94.3	3.11	"	62.1	26.5	109	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22568 - EPA 3050B

Post Spike (BA22568-PS1)	Post Spike	*Source sample: 22A0992-07 (043_LSB-11_2-4)					Prepared: 01/27/2022 Analyzed: 01/28/2022	
Aluminum	122		ug/mL	2.00	124	NR	75-125	Low Bias
Antimony	0.299		"	0.250	0.027	109	75-125	
Arsenic	2.09		"	2.00	0.016	104	75-125	
Barium	2.64		"	2.00	0.394	112	75-125	
Beryllium	0.048		"	0.0500	-0.006	96.2	75-125	
Cadmium	0.053		"	0.0500	-0.002	106	75-125	
Calcium	15.3		"	1.00	14.6	69.6	75-125	Low Bias
Chromium	0.375		"	0.200	0.161	107	75-125	
Cobalt	0.602		"	0.500	0.037	113	75-125	
Copper	0.435		"	0.250	0.140	118	75-125	
Iron	200		"	1.00	205	NR	75-125	Low Bias
Lead	0.631		"	0.500	0.068	113	75-125	
Magnesium	18.0		"	1.00	17.5	52.1	75-125	Low Bias
Manganese	0.999		"	0.500	0.455	109	75-125	
Nickel	0.686		"	0.500	0.134	110	75-125	
Potassium	9.22		"	1.00	8.46	75.5	75-125	
Selenium	1.65		"	2.00	-0.207	82.5	75-125	
Silver	0.048		"	0.0500	0.001	93.1	75-125	
Sodium	1.72		"	1.00	0.598	112	75-125	
Thallium	2.04		"	2.00	-0.020	102	75-125	
Vanadium	0.786		"	0.500	0.236	110	75-125	
Zinc	0.759		"	0.500	0.213	109	75-125	

Reference (BA22568-SRM1)	Reference						Prepared: 01/27/2022 Analyzed: 01/28/2022	
Aluminum	9230	5.00	mg/kg wet	8130		114	49.9-150.1	
Antimony	78.6	2.50	"	134		58.6	19.3-250	
Arsenic	149	1.50	"	156		95.5	69.9-130.1	
Barium	257	2.50	"	239		107	74.9-124.7	
Beryllium	175	0.050	"	169		104	75.1-125.4	
Cadmium	142	0.300	"	137		104	75.2-124.8	
Calcium	4980	5.00	"	4760		105	72.7-127.5	
Chromium	155	0.500	"	154		101	70.1-129.9	
Cobalt	132	0.400	"	121		109	75-124.8	
Copper	56.0	2.00	"	54.9		102	74.9-125	
Iron	13700	25.0	"	14100		97.1	34.9-164.5	
Lead	123	0.500	"	130		94.3	71.8-128.5	
Magnesium	2460	5.00	"	2320		106	62.1-137.9	
Manganese	344	0.500	"	269		128	74-126.4	High Bias
Nickel	68.7	1.00	"	53.9		128	69.9-129.9	
Potassium	2170	5.00	"	2020		107	58.9-141.1	
Selenium	133	2.50	"	167		79.8	67.7-132.3	
Silver	30.7	0.500	"	33.6		91.3	68.5-131.3	
Sodium	148	50.0	"	133		111	35-165.4	
Thallium	106	2.50	"	112		95.0	67.9-131.3	
Vanadium	60.2	1.00	"	62.6		96.2	59.1-141.1	
Zinc	146	2.50	"	158		92.6	70.3-129.7	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22613 - EPA 3015A												
Blank (BA22613-BLK1)	Blank								Prepared & Analyzed: 01/28/2022			
Antimony	ND	0.00111	mg/L									
Arsenic	ND	0.00111	"									
Beryllium	ND	0.000333	"									
Cadmium	ND	0.000556	"									
Selenium	0.00185	0.00111	"									
Thallium	ND	0.00111	"									
LCS (BA22613-BS1)	LCS								Prepared & Analyzed: 01/28/2022			
Antimony	41.9		ug/L	50.0		83.8	80-120					
Arsenic	51.6		"	50.0		103	80-120					
Beryllium	43.5		"	50.0		87.0	80-120					
Cadmium	40.9		"	50.0		81.7	80-120					
Selenium	58.4		"	50.0		117	80-120					
Thallium	56.7		"	50.0		113	80-120					
Duplicate (BA22613-DUP1)	Duplicate								*Source sample: 22A0906-01 (Duplicate) Prepared & Analyzed: 01/28/2022			
Antimony	ND	0.00111	mg/L		ND						20	
Arsenic	0.0116	0.00111	"		0.0111				3.86		20	
Beryllium	0.00152	0.000333	"		0.00142				6.43		20	
Cadmium	0.00141	0.000556	"		0.00133				6.30		20	
Selenium	0.237	0.00111	"		0.248				4.73		20	
Thallium	ND	0.00111	"		ND						20	
Matrix Spike (BA22613-MS1)	Matrix Spike								*Source sample: 22A0906-01 (Matrix Spike) Prepared & Analyzed: 01/28/2022			
Antimony	53.8		ug/L	50.0	0.225	107	75-125					
Arsenic	60.6		"	50.0	10.0	101	75-125					
Beryllium	18.9		"	50.0	1.28	35.2	75-125	Low Bias				
Cadmium	38.9		"	50.0	1.19	75.4	75-125					
Selenium	256		"	50.0	224	65.8	75-125	Low Bias				
Thallium	17.4		"	50.0	0.327	34.1	75-125	Low Bias				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22423 - EPA SW846-7470A											
Blank (BA22423-BLK1)	Blank								Prepared & Analyzed: 01/25/2022		
Mercury	ND	0.0002	mg/L								
LCS (BA22423-BS1)	LCS								Prepared & Analyzed: 01/25/2022		
Mercury	0.0020854	0.0002	mg/L	0.00200		104	80-120				
LCS (BA22423-BS2)	LCS								Prepared & Analyzed: 01/25/2022		
Mercury	0.0021412	0.0002	mg/L	0.00200		107	80-120				
Batch BA22622 - EPA 7473 soil											
Blank (BA22622-BLK1)	Blank								Prepared & Analyzed: 01/28/2022		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BA22622-DUP1)	Duplicate	*Source sample: 22A0852-06 (Duplicate)								Prepared & Analyzed: 01/28/2022	
Mercury	ND	0.0321	mg/kg dry		ND						35
Matrix Spike (BA22622-MS1)	Matrix Spike	*Source sample: 22A0852-06 (Matrix Spike)								Prepared & Analyzed: 01/28/2022	
Mercury	0.447		mg/kg	0.500	0.0227	84.8	75-125				
Reference (BA22622-SRM1)	Reference								Prepared & Analyzed: 01/28/2022		
Mercury	25.117		mg/kg	27.2		92.3	59.9-140.1				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22454 - % Solids Prep

Duplicate (BA22454-DUP1)	Duplicate	*Source sample: 22A1003-12 (Duplicate)				Prepared & Analyzed: 01/26/2022					
% Solids	85.8	0.100	%		88.1				2.61	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22A0992-01	037_LSB-9_0-2	40mL Vial with Stir Bar-Cool 4° C
22A0992-02	038_LSB-9_4-6	40mL Vial with Stir Bar-Cool 4° C
22A0992-03	039_LSB-10_0-2	40mL Vial with Stir Bar-Cool 4° C
22A0992-04	040_DUP-1	40mL Vial with Stir Bar-Cool 4° C
22A0992-05	041_LSB-10_4-6	40mL Vial with Stir Bar-Cool 4° C
22A0992-06	042_LSB-11_0-2	40mL Vial with Stir Bar-Cool 4° C
22A0992-07	043_LSB-11_2-4	40mL Vial with Stir Bar-Cool 4° C
22A0992-08	044_TB_20220125	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22A0992-09	045_FB_20220125	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-MBLK	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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.



York Analytical Laboratories, Inc.
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 Stratford, CT 06615
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 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
 22A0992

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

Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Langan	Company: SKANSKA	Company: SKANSKA	Company: SKANSKA	Company: SKANSKA	Company: SKANSKA	100963701	Standard Excel EDD	RUSH - Next Day	<input type="checkbox"/>
Address: 300 Kimball Drive Parsippany, NJ	Address: 1487 First Avenue	Address: 1487 First Avenue	Address: 1487 First Avenue	Address: 1487 First Avenue	Address: 1487 First Avenue	1487 First Avenue	EQUIS (Standard)	RUSH - Two Day	<input type="checkbox"/>
Phone: 973 560 4900	Phone: 973 560 4900	Phone: 973 560 4900	Phone: 973 560 4900	Phone: 973 560 4900	Phone: 973 560 4900	1487 First Avenue	NYSDEC EQUIS	RUSH - Three Day	<input type="checkbox"/>
Contact: Molly Mathern	Contact: Molly Mathern	Contact: Molly Mathern	Contact: Molly Mathern	Contact: Molly Mathern	Contact: Molly Mathern	1487 First Avenue	NJDEP Reduced Deliverables	RUSH - Four Day	<input type="checkbox"/>
E-mail: mmathern@langan.com	E-mail: mmathern@langan.com	E-mail: mmathern@langan.com	E-mail: mmathern@langan.com	E-mail: mmathern@langan.com	E-mail: mmathern@langan.com	1487 First Avenue	NJDEP SRP HazSite	Standard (5-7 Day)	<input type="checkbox"/>
<p>YOUR PO#:</p> <p>Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other</p> <p>Report / EDD Type (circle selections): Summary Report <input checked="" type="checkbox"/>; QA Report <input type="checkbox"/>; NY ASP A Package <input type="checkbox"/>; NY ASP B Package <input type="checkbox"/>; CT RCP <input type="checkbox"/>; CT RCP DQA/DUE <input type="checkbox"/>; NJDEP Reduced Deliverables <input type="checkbox"/>; NJDKQP <input type="checkbox"/>; Other: <input type="checkbox"/></p> <p>YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)</p>									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Analysis Requested	Container Description	Special Instruction			
037-LSB-9-0-2	S	S - soil / solid	New York	VOCS, SVOCs, TAL METALS	2 x 8oz glass	Field Filtered Lab to Filter			
038-LSB-9-4-6		GW - groundwater	New Jersey		JWS				
039-LSB-10-0-2		DW - drinking water	Connecticut		HX 40 mL vial				
040-DVP-1		WW - wastewater	Pennsylvania						
041-LSB-10-4-6		O - Oil	Other						
042-LSB-11-0-2									
043-LSB-11-2-4									
044-TB-20220125	AQ			VOCS	2 x vials 40mL				
045-FB-20220125	AQ			VOCS, SVOCs, TAL METALS	2 x vials 10mL 3 x vials				
<p>Comments:</p> <p>Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___</p>									
Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received at Lab			
Morgan McBride (Langan)	1/25/22 1545	Morgan McBride (Langan)	1-25-22 1549	Morgan McBride (Langan)	1-25-22 1549	Temp. Received at Lab			
FAMU/york	125-22 1900	FAMU/york	125-22 1900	FAMU/york	125-22 1900	27			



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/10/2022

Client Project ID: 100963701

York Project (SDG) No.: 22A1064

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

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/10/2022
Client Project ID: 100963701
York Project (SDG) No.: 22A1064

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 26, 2022 and listed below. The project was identified as your project: **100963701**.

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>
22A1064-01	046_LSB-12_15-17	Soil	01/26/2022	01/26/2022
22A1064-02	047_LSB-12_18-20	Soil	01/26/2022	01/26/2022
22A1064-04	049_TB_20220126	Water	01/26/2022	01/26/2022

General Notes for York Project (SDG) No.: 22A1064

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: 02/10/2022





Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 09:59	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 09:59	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC





Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Soil

January 26, 2022 9:30 am

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 09:59	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
67-64-1	Acetone	0.0055	ICV-E, J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Soil

January 26, 2022 9:30 am

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-09-2	Methylene chloride	0.046		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 09:59	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 09:59	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	117 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

York Project (SDG) No.

Client Project ID

Matrix

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22A1064

100963701

Soil

January 26, 2022 9:30 am

01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

York Project (SDG) No.

Client Project ID

Matrix

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Soil

January 26, 2022 9:30 am

01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
92-87-5	Benzdine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.240		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

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January 26, 2022 9:30 am

01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Soil

January 26, 2022 9:30 am

01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
108-95-2	Phenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:58	02/02/2022 12:50	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	31.3 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	49.2 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	65.6 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	58.9 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	10.5 %	S-08		19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	63.9 %			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	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	01/27/2022 12:46	01/28/2022 11:46	KH
Surrogate Recoveries		Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	42.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:45	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	85.3 %	25-150
Surrogate: M5PFHxA	95.9 %	25-150
Surrogate: M4PFHpA	96.8 %	25-150
Surrogate: M3PFHxS	91.0 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	91.8 %	25-150
Surrogate: M6PFDA	75.0 %	25-150
Surrogate: M7PFUDA	82.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	70.3 %	25-150
Surrogate: M2PFTeDA	70.6 %	10-150



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	92.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	79.6 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	94.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	70.2 %			10-150					
	Surrogate: d3-N-MeFOSAA	78.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	58.8 %			25-150					
	Surrogate: M2-6:2 FTS	92.0 %			25-200					
	Surrogate: M2-8:2 FTS	39.7 %			25-200					
	Surrogate: M9PFNA	86.4 %			25-150					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/27/2022 07:47	01/28/2022 17:34	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/27/2022 07:47	01/28/2022 17:34	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM





Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/27/2022 07:47	01/28/2022 17:34	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:34	CM
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B Certifications:	01/27/2022 07:47	01/28/2022 17:34	CM
Surrogate Recoveries		Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	93.6 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	119 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 22:53	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	01/27/2022 07:47	01/27/2022 22:53	BJ
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %					30-120			



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %			30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:52	01/28/2022 17:29	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:52	01/28/2022 17:29	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:52	01/28/2022 17:29	BJ

Surrogate Recoveries

Result

Acceptance Range

19719-28-9 Surrogate: 2,4-Dichlorophenylacetic acid (. 74.6 %

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	13300		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-36-0	Antimony	4.60		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-39-3	Barium	132		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-70-2	Calcium	14300	B	mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-47-3	Chromium	39.0		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-48-4	Cobalt	10.5		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-50-8	Copper	33.9		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7439-89-6	Iron	21900		mg/kg dry	28.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH



Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:30 am	<u>Date Received</u> 01/26/2022
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	17.4		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7439-95-4	Magnesium	7110		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7439-96-5	Manganese	230		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-02-0	Nickel	27.8		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-09-7	Potassium	5070	B	mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-22-4	Silver	1.33		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-23-5	Sodium	186		mg/kg dry	56.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-62-2	Vanadium	52.4		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH
7440-66-6	Zinc	68.5		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:47	RTH

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	0.0340	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/31/2022 12:05	01/31/2022 17:22	BR

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	0.770		mg/kg dry	0.566	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	01/27/2022 14:09	01/27/2022 18:46	ZTS

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
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Sample Information

Client Sample ID: 046_LSB-12_15-17

York Sample ID: 22A1064-01

York Project (SDG) No.
22A1064

Client Project ID
100963701

Matrix
Soil

Collection Date/Time
January 26, 2022 9:30 am

Date Received
01/26/2022

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	0.566	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/28/2022 08:21	01/28/2022 14:39	TJA

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	88.4		%	0.100	1	SM 2540G Certifications: CTDOH	01/27/2022 10:19	01/27/2022 13:08	MEW



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:45 am	<u>Date Received</u> 01/26/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 10:26	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	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	01/27/2022 12:11	01/28/2022 10:26	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	01/27/2022 12:11	01/28/2022 10:26	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	01/27/2022 12:11	01/28/2022 10:26	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	01/27/2022 12:11	01/28/2022 10:26	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	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	01/27/2022 12:11	01/28/2022 10:26	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Soil

January 26, 2022 9:45 am

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 10:26	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
67-64-1	Acetone	0.025	ICV-E	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Soil

January 26, 2022 9:45 am

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-09-2	Methylene chloride	0.0068	J	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	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	01/27/2022 12:11	01/28/2022 10:26	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

York Project (SDG) No.

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Soil

January 26, 2022 9:45 am

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	0.035		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
79-01-6	Trichloroethylene	0.0067		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 12:11	01/28/2022 10:26	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 12:11	01/28/2022 10:26	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	118 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.9 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.4 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH



Sample Information

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01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH



Sample Information

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York Sample ID: 22A1064-02

York Project (SDG) No.

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Soil

January 26, 2022 9:45 am

01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
92-87-5	Benzdine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH



Sample Information

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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22A1064

100963701

Soil

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01/26/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:48	01/28/2022 23:19	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	66.3 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	58.6 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	53.0 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	65.0 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	73.2 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	78.6 %			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	01/27/2022 12:46	01/28/2022 12:03	KH	
Surrogate Recoveries		Result			Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	38.0 %	S-08		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

York Project (SDG) No.

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	0.712		ug/kg dry	0.252	1	EPA 537m Certifications:	01/27/2022 11:44	01/28/2022 18:58	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	83.4 %	25-150
Surrogate: M5PFHxA	90.1 %	25-150
Surrogate: M4PFHpA	95.7 %	25-150
Surrogate: M3PFHxS	90.0 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	88.4 %	25-150
Surrogate: M6PFDA	85.4 %	25-150
Surrogate: M7PFUDA	82.5 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	74.4 %	25-150
Surrogate: M2PFTeDA	80.7 %	10-150



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:45 am	<u>Date Received</u> 01/26/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	91.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	82.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	89.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	73.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	83.2 %			25-150					
	Surrogate: d5-N-EtFOSAA	79.8 %			25-150					
	Surrogate: M2-6:2 FTS	89.2 %			25-200					
	Surrogate: M2-8:2 FTS	63.7 %			25-200					
	Surrogate: M9PFNA	86.2 %			25-150					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/27/2022 07:47	01/28/2022 17:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	01/27/2022 07:47	01/28/2022 17:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:45 am	<u>Date Received</u> 01/26/2022
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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	01/27/2022 07:47	01/28/2022 17:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 07:47	01/28/2022 17:51	CM
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0389	5	EPA 8081B Certifications:	01/27/2022 07:47	01/28/2022 17:51	CM
	Surrogate Recoveries	Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	106 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	123 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/27/2022 07:47	01/27/2022 23:06	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	01/27/2022 07:47	01/27/2022 23:06	BJ
	Surrogate Recoveries	Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	86.0 %		30-120						



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	68.0 %			30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:52	01/28/2022 17:40	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:52	01/28/2022 17:40	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 12:52	01/28/2022 17:40	BJ

Surrogate Recoveries

Result

Acceptance Range

19719-28-9 Surrogate: 2,4-Dichlorophenylacetic acid (. 76.4 %

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	8040		mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-38-2	Arsenic	4.42		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-39-3	Barium	93.0		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-70-2	Calcium	49500	B	mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-47-3	Chromium	20.6		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-48-4	Cobalt	7.91		mg/kg dry	0.483	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-50-8	Copper	20.0		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7439-89-6	Iron	13400		mg/kg dry	30.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH



Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 26, 2022 9:45 am	<u>Date Received</u> 01/26/2022
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	25.9		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7439-95-4	Magnesium	8730		mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7439-96-5	Manganese	275		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-02-0	Nickel	16.8		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-09-7	Potassium	2500	B	mg/kg dry	6.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-22-4	Silver	1.05		mg/kg dry	0.604	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-23-5	Sodium	192		mg/kg dry	60.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-62-2	Vanadium	37.4		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH
7440-66-6	Zinc	48.7		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/27/2022 15:19	01/28/2022 17:49	RTH

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	0.0362	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/31/2022 12:05	01/31/2022 17:31	BR

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	0.604	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	01/27/2022 14:09	01/27/2022 18:46	ZTS

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
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Sample Information

Client Sample ID: 047_LSB-12_18-20

York Sample ID: 22A1064-02

York Project (SDG) No.
22A1064

Client Project ID
100963701

Matrix
Soil

Collection Date/Time
January 26, 2022 9:45 am

Date Received
01/26/2022

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	0.604	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/28/2022 08:21	01/28/2022 14:39	TJA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.8		%	0.100	1	SM 2540G Certifications: CTDOH	01/27/2022 10:19	01/27/2022 13:08	MEW



Sample Information

Client Sample ID: 049_TB_20220126

York Sample ID: 22A1064-04

<u>York Project (SDG) No.</u> 22A1064	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 26, 2022 2:30 pm	<u>Date Received</u> 01/26/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 06:12	01/27/2022 13:42	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG



Sample Information

Client Sample ID: 049_TB_20220126

York Sample ID: 22A1064-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Water

January 26, 2022 2:30 pm

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,4-Dioxane, 2,2-Dichloropropane, 2-Butanone, 2-Chlorotoluene, 2-Hexanone, 4-Chlorotoluene, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane.



Sample Information

Client Sample ID: 049_TB_20220126

York Sample ID: 22A1064-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Water

January 26, 2022 2:30 pm

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like cis-1,2-Dichloroethylene, Cyclohexane, etc.



Sample Information

Client Sample ID: 049_TB_20220126

York Sample ID: 22A1064-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1064

100963701

Water

January 26, 2022 2:30 pm

01/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/27/2022 06:12	01/27/2022 13:42	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2022 06:12	01/27/2022 13:42	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	79-122





Analytical Batch Summary

Batch ID: BA22512 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22512-BLK1	Blank	01/27/22
BA22512-BLK2	Blank	01/27/22
BA22512-BS1	LCS	01/27/22
BA22512-BS2	LCS	01/27/22
BA22512-MS1	Matrix Spike	01/27/22
BA22512-MSD1	Matrix Spike Dup	01/27/22

Batch ID: BA22535 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22535-DUP1	Duplicate	01/27/22

Batch ID: BA22550 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22550-BLK1	Blank	01/27/22
BA22550-BS1	LCS	01/27/22
BA22550-MS1	Matrix Spike	01/27/22
BA22550-MSD1	Matrix Spike Dup	01/27/22

Batch ID: BA22557 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22557-BLK1	Blank	01/27/22
BA22557-BS1	LCS	01/27/22
BA22557-MS1	Matrix Spike	01/27/22
BA22557-MSD1	Matrix Spike Dup	01/27/22

Batch ID: BA22559 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-02	047_LSB-12_18-20	01/27/22
BA22559-BLK1	Blank	01/27/22



BA22559-BS1 LCS 01/27/22
 BA22559-MS1 Matrix Spike 01/27/22
 BA22559-MSD1 Matrix Spike Dup 01/27/22

Batch ID: BA22560 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22560-BLK1	Blank	01/27/22
BA22560-BS1	LCS	01/27/22
BA22560-MS1	Matrix Spike	01/27/22
BA22560-MSD1	Matrix Spike Dup	01/27/22

Batch ID: BA22565 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22565-BLK1	Blank	01/27/22
BA22565-DUP1	Duplicate	01/27/22
BA22565-MS1	Matrix Spike	01/27/22
BA22565-SRM1	Reference	01/27/22

Batch ID: BA22570 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-04	049_TB_20220126	01/27/22
BA22570-BLK1	Blank	01/27/22
BA22570-BS1	LCS	01/27/22
BA22570-BSD1	LCS Dup	01/27/22

Batch ID: BA22572 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22572-BLK1	Blank	01/27/22
BA22572-DUP1	Duplicate	01/27/22
BA22572-MS1	Matrix Spike	01/27/22
BA22572-PS1	Post Spike	01/27/22
BA22572-SRM1	Reference	01/27/22

Batch ID: BA22602 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/28/22
22A1064-02	047_LSB-12_18-20	01/28/22



BA22602-BLK1	Blank	01/28/22
BA22602-DUP1	Duplicate	01/28/22
BA22602-MS1	Matrix Spike	01/28/22
BA22602-SRM1	Reference	01/28/22

Batch ID: BA22634 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/27/22
22A1064-02	047_LSB-12_18-20	01/27/22
BA22634-BLK1	Blank	01/27/22
BA22634-BLK2	Blank	01/27/22
BA22634-BLK3	Blank	01/27/22
BA22634-BLK4	Blank	01/27/22
BA22634-BLK5	Blank	01/27/22
BA22634-BS1	LCS	01/27/22
BA22634-BSD1	LCS Dup	01/27/22

Batch ID: BA22700 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	01/31/22
22A1064-02	047_LSB-12_18-20	01/31/22
BA22700-BLK1	Blank	01/31/22
BA22700-DUP1	Duplicate	01/31/22
BA22700-MS1	Matrix Spike	01/31/22
BA22700-SRM1	Reference	01/31/22

Batch ID: BB21151 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22A1064-01	046_LSB-12_15-17	02/01/22
BB21151-BLK1	Blank	02/01/22
BB21151-BS1	LCS	02/01/22
BB21151-MS1	Matrix Spike	02/01/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22570 - EPA 5030B

Blank (BA22570-BLK1)	Blank										
											Prepared & Analyzed: 01/27/2022
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22570 - EPA 5030B

Blank (BA22570-BLK1)	Blank	Prepared & Analyzed: 01/27/2022									
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: SURR: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22570 - EPA 5030B												
LCS (BA22570-BS1)	LCS						Prepared & Analyzed: 01/27/2022					
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126					
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136					
1,1,2,2-Tetrachloroethane	9.85		"	10.0		98.5	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8		"	10.0		128	54-165					
1,1,2-Trichloroethane	9.33		"	10.0		93.3	82-123					
1,1-Dichloroethane	10.5		"	10.0		105	82-129					
1,1-Dichloroethylene	12.0		"	10.0		120	68-138					
1,1-Dichloropropylene	10.4		"	10.0		104	83-133					
1,2,3-Trichlorobenzene	8.50		"	10.0		85.0	76-136					
1,2,3-Trichloropropane	9.67		"	10.0		96.7	77-128					
1,2,4-Trichlorobenzene	8.83		"	10.0		88.3	76-137					
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132					
1,2-Dibromo-3-chloropropane	8.36		"	10.0		83.6	45-147					
1,2-Dibromoethane	9.59		"	10.0		95.9	83-124					
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123					
1,2-Dichloroethane	10.2		"	10.0		102	73-132					
1,2-Dichloropropane	10.4		"	10.0		104	78-126					
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131					
1,3-Dichlorobenzene	9.99		"	10.0		99.9	86-122					
1,3-Dichloropropane	9.31		"	10.0		93.1	81-125					
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124					
1,4-Dioxane	236		"	210		112	10-349					
2,2-Dichloropropane	11.4		"	10.0		114	56-150					
2-Butanone	10.0		"	10.0		100	49-152					
2-Chlorotoluene	10.6		"	10.0		106	79-130					
2-Hexanone	8.94		"	10.0		89.4	51-146					
4-Chlorotoluene	10.7		"	10.0		107	79-128					
4-Methyl-2-pentanone	8.90		"	10.0		89.0	57-145					
Acetone	9.26		"	10.0		92.6	14-150					
Acrolein	5.31		"	10.0		53.1	10-153					
Acrylonitrile	10.1		"	10.0		101	51-150					
Benzene	11.0		"	10.0		110	85-126					
Bromobenzene	10.1		"	10.0		101	78-129					
Bromochloromethane	10.3		"	10.0		103	77-128					
Bromodichloromethane	9.64		"	10.0		96.4	79-128					
Bromoform	9.64		"	10.0		96.4	78-133					
Bromomethane	13.3		"	10.0		133	43-168					
Carbon disulfide	12.3		"	10.0		123	68-146					
Carbon tetrachloride	11.2		"	10.0		112	77-141					
Chlorobenzene	10.7		"	10.0		107	88-120					
Chloroethane	12.4		"	10.0		124	65-136					
Chloroform	10.7		"	10.0		107	82-128					
Chloromethane	12.5		"	10.0		125	43-155					
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129					
cis-1,3-Dichloropropylene	9.74		"	10.0		97.4	80-131					
Cyclohexane	8.54		"	10.0		85.4	63-149					
Dibromochloromethane	9.48		"	10.0		94.8	80-130					
Dibromomethane	9.52		"	10.0		95.2	72-134					
Dichlorodifluoromethane	19.7		"	10.0		197	44-144	High Bias				
Ethyl Benzene	11.0		"	10.0		110	80-131					
Hexachlorobutadiene	11.8		"	10.0		118	67-146					



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22570 - EPA 5030B												
LCS (BA22570-BS1)	LCS						Prepared & Analyzed: 01/27/2022					
Isopropylbenzene	11.5		ug/L	10.0		115	76-140					
Methyl acetate	9.32		"	10.0		93.2	51-139					
Methyl tert-butyl ether (MTBE)	9.68		"	10.0		96.8	76-135					
Methylcyclohexane	11.2		"	10.0		112	72-143					
Methylene chloride	10.1		"	10.0		101	55-137					
n-Butylbenzene	10.8		"	10.0		108	79-132					
n-Propylbenzene	11.4		"	10.0		114	78-133					
o-Xylene	10.7		"	10.0		107	78-130					
p- & m- Xylenes	18.8		"	20.0		94.2	77-133					
p-Isopropyltoluene	10.9		"	10.0		109	81-136					
sec-Butylbenzene	11.0		"	10.0		110	79-137					
Styrene	10.6		"	10.0		106	67-132					
tert-Butyl alcohol (TBA)	44.7		"	50.0		89.4	25-162					
tert-Butylbenzene	8.80		"	10.0		88.0	77-138					
Tetrachloroethylene	10.1		"	10.0		101	82-131					
Toluene	10.6		"	10.0		106	80-127					
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132					
trans-1,3-Dichloropropylene	9.46		"	10.0		94.6	78-131					
Trichloroethylene	10.1		"	10.0		101	82-128					
Trichlorofluoromethane	13.7		"	10.0		137	67-139					
Vinyl acetate	13.1		"	10.0		131	21-90	High Bias				
Vinyl Chloride	14.2		"	10.0		142	58-145					
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	9.72		"	10.0		97.2	69-130					
<i>Surrogate: Surr: Toluene-d8</i>	9.81		"	10.0		98.1	81-117					
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	10.3		"	10.0		103	79-122					
LCS Dup (BA22570-BSD1)	LCS Dup						Prepared & Analyzed: 01/27/2022					
1,1,1,2-Tetrachloroethane	9.89		ug/L	10.0		98.9	82-126		1.60	30		
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		4.00	30		
1,1,2,2-Tetrachloroethane	9.74		"	10.0		97.4	76-129		1.12	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	54-165		5.07	30		
1,1,2-Trichloroethane	9.59		"	10.0		95.9	82-123		2.75	30		
1,1-Dichloroethane	10.2		"	10.0		102	82-129		3.38	30		
1,1-Dichloroethylene	11.4		"	10.0		114	68-138		5.29	30		
1,1-Dichloropropylene	9.98		"	10.0		99.8	83-133		4.12	30		
1,2,3-Trichlorobenzene	8.56		"	10.0		85.6	76-136		0.703	30		
1,2,3-Trichloropropane	9.65		"	10.0		96.5	77-128		0.207	30		
1,2,4-Trichlorobenzene	8.62		"	10.0		86.2	76-137		2.41	30		
1,2,4-Trimethylbenzene	9.85		"	10.0		98.5	82-132		7.71	30		
1,2-Dibromo-3-chloropropane	9.63		"	10.0		96.3	45-147		14.1	30		
1,2-Dibromoethane	9.93		"	10.0		99.3	83-124		3.48	30		
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		4.00	30		
1,2-Dichloroethane	10.2		"	10.0		102	73-132		0.587	30		
1,2-Dichloropropane	10.1		"	10.0		101	78-126		2.92	30		
1,3,5-Trimethylbenzene	9.91		"	10.0		99.1	80-131		8.69	30		
1,3-Dichlorobenzene	9.35		"	10.0		93.5	86-122		6.62	30		
1,3-Dichloropropane	9.50		"	10.0		95.0	81-125		2.02	30		
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124		5.95	30		
1,4-Dioxane	251		"	210		120	10-349		6.31	30		
2,2-Dichloropropane	10.8		"	10.0		108	56-150		5.41	30		
2-Butanone	10.6		"	10.0		106	49-152		5.63	30		



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22570 - EPA 5030B											
LCS Dup (BA22570-BSD1)	LCS Dup	Prepared & Analyzed: 01/27/2022									
2-Chlorotoluene	9.74		ug/L	10.0		97.4	79-130		8.46	30	
2-Hexanone	9.66		"	10.0		96.6	51-146		7.74	30	
4-Chlorotoluene	9.82		"	10.0		98.2	79-128		8.20	30	
4-Methyl-2-pentanone	9.51		"	10.0		95.1	57-145		6.63	30	
Acetone	9.60		"	10.0		96.0	14-150		3.61	30	
Acrolein	5.19		"	10.0		51.9	10-153		2.29	30	
Acrylonitrile	10.7		"	10.0		107	51-150		5.69	30	
Benzene	10.7		"	10.0		107	85-126		2.68	30	
Bromobenzene	9.46		"	10.0		94.6	78-129		6.35	30	
Bromochloromethane	10.3		"	10.0		103	77-128		0.0969	30	
Bromodichloromethane	9.49		"	10.0		94.9	79-128		1.57	30	
Bromoform	10.1		"	10.0		101	78-133		4.76	30	
Bromomethane	12.0		"	10.0		120	43-168		10.3	30	
Carbon disulfide	11.6		"	10.0		116	68-146		6.12	30	
Carbon tetrachloride	10.7		"	10.0		107	77-141		4.12	30	
Chlorobenzene	10.4		"	10.0		104	88-120		2.46	30	
Chloroethane	11.7		"	10.0		117	65-136		5.82	30	
Chloroform	10.4		"	10.0		104	82-128		2.56	30	
Chloromethane	11.2		"	10.0		112	43-155		10.5	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		3.94	30	
cis-1,3-Dichloropropylene	9.58		"	10.0		95.8	80-131		1.66	30	
Cyclohexane	8.23		"	10.0		82.3	63-149		3.70	30	
Dibromochloromethane	9.51		"	10.0		95.1	80-130		0.316	30	
Dibromomethane	9.69		"	10.0		96.9	72-134		1.77	30	
Dichlorodifluoromethane	17.7		"	10.0		177	44-144	High Bias	10.9	30	
Ethyl Benzene	10.7		"	10.0		107	80-131		3.03	30	
Hexachlorobutadiene	11.5		"	10.0		115	67-146		1.89	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		9.49	30	
Methyl acetate	9.79		"	10.0		97.9	51-139		4.92	30	
Methyl tert-butyl ether (MTBE)	9.93		"	10.0		99.3	76-135		2.55	30	
Methylcyclohexane	10.7		"	10.0		107	72-143		4.40	30	
Methylene chloride	9.89		"	10.0		98.9	55-137		1.80	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		3.95	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		9.11	30	
o-Xylene	10.5		"	10.0		105	78-130		1.88	30	
p- & m- Xylenes	18.3		"	20.0		91.5	77-133		2.96	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		7.42	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		7.83	30	
Styrene	10.4		"	10.0		104	67-132		1.52	30	
tert-Butyl alcohol (TBA)	48.9		"	50.0		97.9	25-162		9.08	30	
tert-Butylbenzene	8.15		"	10.0		81.5	77-138		7.67	30	
Tetrachloroethylene	9.62		"	10.0		96.2	82-131		4.57	30	
Toluene	10.2		"	10.0		102	80-127		3.84	30	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132		5.19	30	
trans-1,3-Dichloropropylene	9.54		"	10.0		95.4	78-131		0.842	30	
Trichloroethylene	9.59		"	10.0		95.9	82-128		5.08	30	
Trichlorofluoromethane	12.7		"	10.0		127	67-139		7.79	30	
Vinyl acetate	12.8		"	10.0		128	21-90	High Bias	2.48	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		9.97	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	69-130				
Surrogate: Surr: Toluene-d8	9.71		"	10.0		97.1	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22570 - EPA 5030B

LCS Dup (BA22570-BSD1) LCS Dup

Prepared & Analyzed: 01/27/2022

Surrogate: SURR: p-Bromofluorobenzene 9.70 ug/L 10.0 97.0 79-122

Batch BA22634 - EPA 5035A

Blank (BA22634-BLK1) Blank

Prepared: 01/27/2022 Analyzed: 01/28/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK1) Blank Prepared: 01/27/2022 Analyzed: 01/28/2022

Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	52.6		ug/L	50.0		105	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	50.6		"	50.0		101	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.1		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK2) MeOH Blank Prepared: 01/27/2022 Analyzed: 01/28/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	0.0032	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK2)	MeOH Blank	Prepared: 01/27/2022 Analyzed: 01/28/2022									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	52.9		ug/L	50.0		106	77-125				
Surrogate: SURRE: Toluene-d8	49.7		"	50.0		99.4	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.3		"	50.0		96.6	76-130				

Blank (BA22634-BLK3)	HB-22A0989	Prepared: 01/27/2022 Analyzed: 01/28/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK3) HB-22A0989

Prepared: 01/27/2022 Analyzed: 01/28/2022

2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK3) HB-22A0989 Prepared: 01/27/2022 Analyzed: 01/28/2022

Surrogate: SURR: 1,2-Dichloroethane-d4	52.6		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.1		"	50.0		102	76-130				

Blank (BA22634-BLK4) HB-22A1064 Prepared: 01/27/2022 Analyzed: 01/28/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK4) HB-22A1064

Prepared: 01/27/2022 Analyzed: 01/28/2022

Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	52.8		ug/L	50.0		106	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.9		"	50.0		99.8	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.9		"	50.0		102	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK5) HB-22A1051

Prepared: 01/27/2022 Analyzed: 01/28/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22634 - EPA 5035A

Blank (BA22634-BLK5) HB-22A1051

Prepared: 01/27/2022 Analyzed: 01/28/2022

Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	53.4		ug/L	50.0		107	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	49.5		"	50.0		99.1	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	50.3		"	50.0		101	76-130				

LCS (BA22634-BS1) LCS

Prepared: 01/27/2022 Analyzed: 01/28/2022

1,1,1,2-Tetrachloroethane	51.5		ug/L	50.0		103	75-129				
1,1,1-Trichloroethane	52.1		"	50.0		104	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)	48.7		"	50.0		97.5	58-146				
1,1,2-Trichloroethane	47.4		"	50.0		94.8	83-123				
1,1-Dichloroethane	45.8		"	50.0		91.5	75-130				
1,1-Dichloroethylene	47.6		"	50.0		95.2	64-137				
1,1-Dichloropropylene	45.1		"	50.0		90.3	77-127				
1,2,3-Trichlorobenzene	49.9		"	50.0		99.8	81-140				
1,2,3-Trichloropropane	51.1		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	50.2		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	49.3		"	50.0		98.6	84-125				
1,2-Dibromo-3-chloropropane	51.8		"	50.0		104	74-142				
1,2-Dibromoethane	51.5		"	50.0		103	86-123				
1,2-Dichlorobenzene	49.8		"	50.0		99.6	85-122				
1,2-Dichloroethane	48.6		"	50.0		97.2	71-133				
1,2-Dichloropropane	46.0		"	50.0		92.1	81-122				
1,3,5-Trimethylbenzene	49.1		"	50.0		98.1	82-126				
1,3-Dichlorobenzene	49.6		"	50.0		99.2	84-124				
1,3-Dichloropropane	46.6		"	50.0		93.3	83-123				
1,4-Dichlorobenzene	49.7		"	50.0		99.5	84-124				
1,4-Dioxane	1180		"	1050		112	10-228				
2,2-Dichloropropane	49.9		"	50.0		99.7	67-136				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BA22634 - EPA 5035A											
LCS (BA22634-BS1)	LCS										Prepared: 01/27/2022 Analyzed: 01/28/2022
2-Butanone	43.8		ug/L	50.0		87.6		58-147			
2-Chlorotoluene	50.1		"	50.0		100		78-127			
2-Hexanone	45.2		"	50.0		90.4		70-139			
4-Chlorotoluene	53.9		"	50.0		108		79-125			
4-Methyl-2-pentanone	45.2		"	50.0		90.5		72-132			
Acetone	35.5		"	50.0		71.0		36-155			
Acrolein	24.7		"	50.0		49.5		10-238			
Acrylonitrile	46.5		"	50.0		93.1		66-141			
Benzene	46.0		"	50.0		92.1		77-127			
Bromobenzene	47.7		"	50.0		95.4		77-129			
Bromochloromethane	43.3		"	50.0		86.6		74-129			
Bromodichloromethane	52.4		"	50.0		105		81-124			
Bromoform	54.9		"	50.0		110		80-136			
Bromomethane	56.0		"	50.0		112		32-177			
Carbon disulfide	53.1		"	50.0		106		10-136			
Carbon tetrachloride	54.0		"	50.0		108		66-143			
Chlorobenzene	51.1		"	50.0		102		86-120			
Chloroethane	49.3		"	50.0		98.6		51-142			
Chloroform	49.9		"	50.0		99.7		76-131			
Chloromethane	34.8		"	50.0		69.6		49-132			
cis-1,2-Dichloroethylene	45.6		"	50.0		91.2		74-132			
cis-1,3-Dichloropropylene	49.5		"	50.0		99.0		81-129			
Cyclohexane	42.1		"	50.0		84.3		70-130			
Dibromochloromethane	54.7		"	50.0		109		10-200			
Dibromomethane	49.8		"	50.0		99.5		83-124			
Dichlorodifluoromethane	45.1		"	50.0		90.2		28-158			
Ethyl Benzene	49.2		"	50.0		98.3		84-125			
Hexachlorobutadiene	52.7		"	50.0		105		83-133			
Isopropylbenzene	50.8		"	50.0		102		81-127			
Methyl acetate	40.4		"	50.0		80.7		41-143			
Methyl tert-butyl ether (MTBE)	44.0		"	50.0		87.9		74-131			
Methylcyclohexane	46.7		"	50.0		93.4		70-130			
Methylene chloride	43.6		"	50.0		87.1		57-141			
n-Butylbenzene	48.8		"	50.0		97.5		80-130			
n-Propylbenzene	48.8		"	50.0		97.5		74-136			
o-Xylene	50.8		"	50.0		102		83-123			
p- & m- Xylenes	99.0		"	100		99.0		82-128			
p-Isopropyltoluene	50.8		"	50.0		102		85-125			
sec-Butylbenzene	49.4		"	50.0		98.7		83-125			
Styrene	48.1		"	50.0		96.2		86-126			
tert-Butyl alcohol (TBA)	246		"	250		98.4		70-130			
tert-Butylbenzene	50.7		"	50.0		101		80-127			
Tetrachloroethylene	45.6		"	50.0		91.3		80-129			
Toluene	48.4		"	50.0		96.8		85-121			
trans-1,2-Dichloroethylene	46.9		"	50.0		93.7		72-132			
trans-1,3-Dichloropropylene	49.8		"	50.0		99.6		78-132			
Trichloroethylene	50.9		"	50.0		102		84-123			
Trichlorofluoromethane	52.5		"	50.0		105		62-140			
Vinyl acetate	39.3		"	50.0		78.6		67-136			
Vinyl Chloride	42.4		"	50.0		84.7		52-130			
Surrogate: SURR: 1,2-Dichloroethane-d4	50.8		"	50.0		102		77-125			



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22634 - EPA 5035A											
LCS (BA22634-BS1)		LCS		Prepared: 01/27/2022 Analyzed: 01/28/2022							
Surrogate: SURR: Toluene-d8	50.8		ug/L	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.8		"	50.0		99.6	76-130				
LCS Dup (BA22634-BS1)		LCS Dup		Prepared: 01/27/2022 Analyzed: 01/28/2022							
1,1,1,2-Tetrachloroethane	54.0		ug/L	50.0		108	75-129		4.78	30	
1,1,1-Trichloroethane	57.0		"	50.0		114	71-137		9.01	30	
1,1,2,2-Tetrachloroethane	49.6		"	50.0		99.2	79-129		2.47	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.9		"	50.0		110	58-146		12.0	30	
1,1,2-Trichloroethane	48.5		"	50.0		97.0	83-123		2.29	30	
1,1-Dichloroethane	48.9		"	50.0		97.8	75-130		6.65	30	
1,1-Dichloroethylene	51.5		"	50.0		103	64-137		7.83	30	
1,1-Dichloropropylene	50.0		"	50.0		100	77-127		10.2	30	
1,2,3-Trichlorobenzene	51.1		"	50.0		102	81-140		2.32	30	
1,2,3-Trichloropropane	54.4		"	50.0		109	81-126		6.28	30	
1,2,4-Trichlorobenzene	51.0		"	50.0		102	80-141		1.68	30	
1,2,4-Trimethylbenzene	52.1		"	50.0		104	84-125		5.46	30	
1,2-Dibromo-3-chloropropane	55.6		"	50.0		111	74-142		7.07	30	
1,2-Dibromoethane	52.6		"	50.0		105	86-123		2.21	30	
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122		4.76	30	
1,2-Dichloroethane	50.0		"	50.0		99.9	71-133		2.78	30	
1,2-Dichloropropane	47.3		"	50.0		94.6	81-122		2.70	30	
1,3,5-Trimethylbenzene	52.2		"	50.0		104	82-126		6.12	30	
1,3-Dichlorobenzene	52.5		"	50.0		105	84-124		5.76	30	
1,3-Dichloropropane	47.3		"	50.0		94.7	83-123		1.45	30	
1,4-Dichlorobenzene	52.2		"	50.0		104	84-124		4.90	30	
1,4-Dioxane	1300		"	1050		124	10-228		9.97	30	
2,2-Dichloropropane	55.1		"	50.0		110	67-136		9.97	30	
2-Butanone	47.8		"	50.0		95.5	58-147		8.63	30	
2-Chlorotoluene	52.2		"	50.0		104	78-127		4.16	30	
2-Hexanone	45.7		"	50.0		91.3	70-139		1.06	30	
4-Chlorotoluene	56.0		"	50.0		112	79-125		3.80	30	
4-Methyl-2-pentanone	45.6		"	50.0		91.1	72-132		0.727	30	
Acetone	37.6		"	50.0		75.1	36-155		5.67	30	
Acrolein	27.2		"	50.0		54.5	10-238		9.66	30	
Acrylonitrile	45.2		"	50.0		90.4	66-141		2.90	30	
Benzene	49.3		"	50.0		98.5	77-127		6.80	30	
Bromobenzene	49.0		"	50.0		98.1	77-129		2.73	30	
Bromochloromethane	44.5		"	50.0		88.9	74-129		2.64	30	
Bromodichloromethane	53.0		"	50.0		106	81-124		1.27	30	
Bromoform	57.0		"	50.0		114	80-136		3.88	30	
Bromomethane	64.4		"	50.0		129	32-177		14.0	30	
Carbon disulfide	58.5		"	50.0		117	10-136		9.55	30	
Carbon tetrachloride	61.1		"	50.0		122	66-143		12.4	30	
Chlorobenzene	53.3		"	50.0		107	86-120		4.16	30	
Chloroethane	53.3		"	50.0		107	51-142		7.80	30	
Chloroform	52.7		"	50.0		105	76-131		5.58	30	
Chloromethane	37.2		"	50.0		74.4	49-132		6.69	30	
cis-1,2-Dichloroethylene	47.5		"	50.0		95.1	74-132		4.21	30	
cis-1,3-Dichloropropylene	50.1		"	50.0		100	81-129		1.12	30	
Cyclohexane	45.6		"	50.0		91.1	70-130		7.80	30	
Dibromochloromethane	55.4		"	50.0		111	10-200		1.31	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BA22634 - EPA 5035A													
LCS Dup (BA22634-BS1)	LCS Dup												
										Prepared: 01/27/2022 Analyzed: 01/28/2022			
Dibromomethane	49.7		ug/L	50.0		99.5		83-124		0.0603		30	
Dichlorodifluoromethane	49.7		"	50.0		99.4		28-158		9.71		30	
Ethyl Benzene	51.6		"	50.0		103		84-125		4.82		30	
Hexachlorobutadiene	57.8		"	50.0		116		83-133		9.18		30	
Isopropylbenzene	55.2		"	50.0		110		81-127		8.42		30	
Methyl acetate	43.1		"	50.0		86.1		41-143		6.47		30	
Methyl tert-butyl ether (MTBE)	46.1		"	50.0		92.2		74-131		4.77		30	
Methylcyclohexane	50.7		"	50.0		101		70-130		8.23		30	
Methylene chloride	45.2		"	50.0		90.4		57-141		3.72		30	
n-Butylbenzene	51.0		"	50.0		102		80-130		4.61		30	
n-Propylbenzene	51.7		"	50.0		103		74-136		5.83		30	
o-Xylene	52.8		"	50.0		106		83-123		3.86		30	
p- & m- Xylenes	104		"	100		104		82-128		4.72		30	
p-Isopropyltoluene	54.2		"	50.0		108		85-125		6.38		30	
sec-Butylbenzene	53.2		"	50.0		106		83-125		7.51		30	
Styrene	49.5		"	50.0		99.0		86-126		2.89		30	
tert-Butyl alcohol (TBA)	275		"	250		110		70-130		11.3		30	
tert-Butylbenzene	55.7		"	50.0		111		80-127		9.53		30	
Tetrachloroethylene	49.4		"	50.0		98.7		80-129		7.81		30	
Toluene	50.3		"	50.0		101		85-121		3.81		30	
trans-1,2-Dichloroethylene	49.9		"	50.0		99.8		72-132		6.26		30	
trans-1,3-Dichloropropylene	50.3		"	50.0		101		78-132		0.999		30	
Trichloroethylene	52.6		"	50.0		105		84-123		3.34		30	
Trichlorofluoromethane	57.8		"	50.0		116		62-140		9.70		30	
Vinyl acetate	40.7		"	50.0		81.3		67-136		3.43		30	
Vinyl Chloride	45.7		"	50.0		91.3		52-130		7.50		30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.8</i>		<i>"</i>	<i>50.0</i>		<i>102</i>		<i>77-125</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>85-120</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.1</i>		<i>76-130</i>					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22559 - EPA 3546 SVOA

Blank (BA22559-BLK1) Blank

Prepared: 01/27/2022 Analyzed: 01/28/2022

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22559 - EPA 3546 SVOA

Blank (BA22559-BLK1)	Blank	Prepared: 01/27/2022 Analyzed: 01/28/2022									
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	0.0359	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	0.804		"	1.66		48.4	20-108				
Surrogate: SURR: Phenol-d5	0.999		"	1.66		60.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.821		"	0.831		98.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.547		"	0.831		65.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.927		"	1.66		55.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.573		"	0.831		69.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22559 - EPA 3546 SVOA											
LCS (BA22559-BS1)	LCS	Prepared: 01/27/2022 Analyzed: 01/28/2022									
1,1-Biphenyl	0.498	0.0416	mg/kg wet	0.831		59.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.649	0.0830	"	0.831		78.1	21-131				
1,2,4-Trichlorobenzene	0.671	0.0416	"	0.831		80.8	10-140				
1,2-Dichlorobenzene	0.610	0.0416	"	0.831		73.4	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.656	0.0416	"	0.831		79.0	17-137				
1,3-Dichlorobenzene	0.550	0.0416	"	0.831		66.2	33-110				
1,4-Dichlorobenzene	0.642	0.0416	"	0.831		77.3	32-104				
2,3,4,6-Tetrachlorophenol	0.745	0.0830	"	0.831		89.7	30-130				
2,4,5-Trichlorophenol	0.568	0.0416	"	0.831		68.4	27-118				
2,4,6-Trichlorophenol	0.691	0.0416	"	0.831		83.2	31-120				
2,4-Dichlorophenol	0.411	0.0416	"	0.831		49.5	20-127				
2,4-Dimethylphenol	0.527	0.0416	"	0.831		63.4	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.778	0.0416	"	0.831		93.7	34-131				
2,6-Dinitrotoluene	0.743	0.0416	"	0.831		89.4	31-128				
2-Chloronaphthalene	0.532	0.0416	"	0.831		64.0	31-117				
2-Chlorophenol	0.557	0.0416	"	0.831		67.1	33-113				
2-Methylnaphthalene	0.586	0.0416	"	0.831		70.6	12-138				
2-Methylphenol	0.275	0.0416	"	0.831		33.1	10-136				
2-Nitroaniline	0.619	0.0830	"	0.831		74.5	27-132				
2-Nitrophenol	0.399	0.0416	"	0.831		48.0	17-129				
3- & 4-Methylphenols	0.333	0.0416	"	0.831		40.1	29-103				
3,3-Dichlorobenzidine	0.497	0.0416	"	0.831		59.9	22-149				
3-Nitroaniline	0.619	0.0830	"	0.831		74.5	20-133				
4,6-Dinitro-2-methylphenol	0.400	0.0830	"	0.831		48.1	10-143				
4-Bromophenyl phenyl ether	0.664	0.0416	"	0.831		80.0	29-120				
4-Chloro-3-methylphenol	0.703	0.0416	"	0.831		84.6	24-129				
4-Chloroaniline	0.175	0.0416	"	0.831		21.0	10-132				
4-Chlorophenyl phenyl ether	0.657	0.0416	"	0.831		79.1	27-124				
4-Nitroaniline	0.489	0.0830	"	0.831		58.9	16-128				
4-Nitrophenol	0.713	0.0830	"	0.831		85.8	10-141				
Acenaphthene	0.584	0.0416	"	0.831		70.3	30-121				
Acenaphthylene	0.547	0.0416	"	0.831		65.8	30-115				
Acetophenone	0.432	0.0416	"	0.831		52.0	20-112				
Aniline	0.729	0.166	"	0.831		87.8	10-119				
Anthracene	0.598	0.0416	"	0.831		72.0	34-118				
Atrazine	0.617	0.0416	"	0.831		74.2	26-112				
Benzaldehyde	0.309	0.0416	"	0.831		37.2	21-100				
Benzo(a)anthracene	0.619	0.0416	"	0.831		74.5	32-122				
Benzo(a)pyrene	0.529	0.0416	"	0.831		63.7	29-133				
Benzo(b)fluoranthene	0.574	0.0416	"	0.831		69.1	25-133				
Benzo(g,h,i)perylene	0.497	0.0416	"	0.831		59.8	10-143				
Benzo(k)fluoranthene	0.637	0.0416	"	0.831		76.6	25-128				
Benzoic acid	0.0831	0.0416	"	0.831		10.0	10-140				
Benzyl alcohol	0.434	0.0416	"	0.831		52.2	30-115				
Benzyl butyl phthalate	0.655	0.0416	"	0.831		78.9	26-126				
Bis(2-chloroethoxy)methane	0.546	0.0416	"	0.831		65.7	19-132				
Bis(2-chloroethyl)ether	0.304	0.0416	"	0.831		36.6	19-125				
Bis(2-chloroisopropyl)ether	0.343	0.0416	"	0.831		41.3	20-135				
Bis(2-ethylhexyl)phthalate	0.662	0.0416	"	0.831		79.7	10-155				
Caprolactam	0.163	0.0830	"	0.831		19.6	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22559 - EPA 3546 SVOA

LCS (BA22559-BS1)	LCS	Prepared: 01/27/2022 Analyzed: 01/28/2022									
Carbazole	0.485	0.0416	mg/kg wet	0.831		58.4	35-123				
Chrysene	0.582	0.0416	"	0.831		70.1	32-123				
Dibenzo(a,h)anthracene	0.558	0.0416	"	0.831		67.2	10-136				
Dibenzofuran	0.581	0.0416	"	0.831		70.0	29-121				
Diethyl phthalate	0.621	0.0416	"	0.831		74.8	34-116				
Dimethyl phthalate	0.589	0.0416	"	0.831		70.9	35-124				
Di-n-butyl phthalate	0.618	0.0416	"	0.831		74.4	31-116				
Di-n-octyl phthalate	0.665	0.0416	"	0.831		80.0	26-136				
Fluoranthene	0.606	0.0416	"	0.831		73.0	33-122				
Fluorene	0.598	0.0416	"	0.831		72.0	29-123				
Hexachlorobenzene	0.713	0.0416	"	0.831		85.9	21-124				
Hexachlorobutadiene	0.821	0.0416	"	0.831		98.8	10-149				
Hexachlorocyclopentadiene	0.157	0.0416	"	0.831		19.0	10-129				
Hexachloroethane	0.689	0.0416	"	0.831		83.0	28-108				
Indeno(1,2,3-cd)pyrene	0.683	0.0416	"	0.831		82.3	10-135				
Isophorone	0.671	0.0416	"	0.831		80.8	20-132				
Naphthalene	0.581	0.0416	"	0.831		70.0	23-124				
Nitrobenzene	0.685	0.0416	"	0.831		82.5	13-132				
N-Nitrosodimethylamine	0.203	0.0416	"	0.831		24.4	11-129				
N-nitroso-di-n-propylamine	0.577	0.0416	"	0.831		69.5	24-119				
N-Nitrosodiphenylamine	0.634	0.0416	"	0.831		76.3	22-152				
Pentachlorophenol	0.420	0.0416	"	0.831		50.5	10-139				
Phenanthrene	0.553	0.0416	"	0.831		66.6	33-123				
Phenol	0.517	0.0416	"	0.831		62.3	23-115				
Pyrene	0.610	0.0416	"	0.831		73.4	24-130				
Pyridine	0.122	0.166	"	0.831		14.6	10-91				
Surrogate: SURR: 2-Fluorophenol	0.464		"	1.66		27.9	20-108				
Surrogate: SURR: Phenol-d5	0.761		"	1.66		45.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.621		"	0.831		74.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.531		"	0.831		63.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.30		"	1.66		78.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.543		"	0.831		65.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22559 - EPA 3546 SVOA												
Matrix Spike (BA22559-MS1)	Matrix Spike	*Source sample: 22A0831-02 (Matrix Spike)						Prepared: 01/27/2022 Analyzed: 01/31/2022				
1,1-Biphenyl	0.463	0.0841	mg/kg dry	0.840	ND	55.1	10-130					
1,2,4,5-Tetrachlorobenzene	0.460	0.168	"	0.840	ND	54.8	10-133					
1,2,4-Trichlorobenzene	0.512	0.0841	"	0.840	ND	61.0	10-127					
1,2-Dichlorobenzene	0.442	0.0841	"	0.840	ND	52.6	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.499	0.0841	"	0.840	ND	59.4	10-144					
1,3-Dichlorobenzene	0.364	0.0841	"	0.840	ND	43.4	11-111					
1,4-Dichlorobenzene	0.431	0.0841	"	0.840	ND	51.4	10-106					
2,3,4,6-Tetrachlorophenol	ND	0.168	"	0.840	ND		30-130	Low Bias				
2,4,5-Trichlorophenol	0.190	0.0841	"	0.840	ND	22.6	10-127					
2,4,6-Trichlorophenol	0.230	0.0841	"	0.840	ND	27.4	10-132					
2,4-Dichlorophenol	0.317	0.0841	"	0.840	ND	37.7	10-128					
2,4-Dimethylphenol	0.347	0.0841	"	0.840	ND	41.3	10-137					
2,4-Dinitrophenol	ND	0.168	"	0.840	ND		10-171	Low Bias				
2,4-Dinitrotoluene	0.410	0.0841	"	0.840	ND	48.8	16-135					
2,6-Dinitrotoluene	0.556	0.0841	"	0.840	ND	66.2	18-131					
2-Chloronaphthalene	0.422	0.0841	"	0.840	ND	50.2	10-129					
2-Chlorophenol	0.236	0.0841	"	0.840	ND	28.1	15-116					
2-Methylnaphthalene	0.561	0.0841	"	0.840	ND	66.8	10-147					
2-Methylphenol	0.0901	0.0841	"	0.840	ND	10.7	10-136					
2-Nitroaniline	0.423	0.168	"	0.840	ND	50.3	10-137					
2-Nitrophenol	0.304	0.0841	"	0.840	ND	36.2	10-129					
3- & 4-Methylphenols	0.0840	0.0841	"	0.840	ND	10.0	10-123					
3,3-Dichlorobenzidine	0.466	0.0841	"	0.840	ND	55.4	10-155					
3-Nitroaniline	0.423	0.168	"	0.840	ND	50.3	12-133					
4,6-Dinitro-2-methylphenol	ND	0.168	"	0.840	ND		10-155	Low Bias				
4-Bromophenyl phenyl ether	0.544	0.0841	"	0.840	ND	64.7	14-128					
4-Chloro-3-methylphenol	0.129	0.0841	"	0.840	ND	15.4	10-134					
4-Chloroaniline	0.136	0.0841	"	0.840	ND	16.2	10-145					
4-Chlorophenyl phenyl ether	0.506	0.0841	"	0.840	ND	60.2	14-130					
4-Nitroaniline	0.222	0.168	"	0.840	ND	26.4	10-147					
4-Nitrophenol	0.468	0.168	"	0.840	ND	55.7	10-137					
Acenaphthene	0.436	0.0841	"	0.840	ND	51.9	10-146					
Acenaphthylene	0.440	0.0841	"	0.840	ND	52.3	10-134					
Acetophenone	0.246	0.0841	"	0.840	ND	29.3	10-116					
Aniline	0.398	0.337	"	0.840	ND	47.4	10-123					
Anthracene	0.481	0.0841	"	0.840	ND	57.3	10-142					
Atrazine	0.612	0.0841	"	0.840	ND	72.8	19-115					
Benzaldehyde	0.243	0.0841	"	0.840	ND	28.9	10-125					
Benzo(a)anthracene	0.546	0.0841	"	0.840	0.0915	54.2	10-158					
Benzo(a)pyrene	0.477	0.0841	"	0.840	0.0587	49.8	10-180					
Benzo(b)fluoranthene	0.508	0.0841	"	0.840	0.0474	54.8	10-200					
Benzo(g,h,i)perylene	0.421	0.0841	"	0.840	0.0507	44.1	10-138					
Benzo(k)fluoranthene	0.491	0.0841	"	0.840	0.0628	51.0	10-197					
Benzoic acid	0.498	0.0841	"	0.840	ND	59.3	10-166					
Benzyl alcohol	0.281	0.0841	"	0.840	ND	33.4	12-124					
Benzyl butyl phthalate	0.485	0.0841	"	0.840	ND	57.8	10-154					
Bis(2-chloroethoxy)methane	0.275	0.0841	"	0.840	ND	32.7	10-132					
Bis(2-chloroethyl)ether	0.515	0.0841	"	0.840	ND	61.4	10-119					
Bis(2-chloroisopropyl)ether	0.253	0.0841	"	0.840	ND	30.1	10-139					
Bis(2-ethylhexyl)phthalate	0.546	0.0841	"	0.840	ND	65.0	10-167					
Caprolactam	ND	0.168	"	0.840	ND		10-132	Low Bias				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22559 - EPA 3546 SVOA

Matrix Spike (BA22559-MS1) Matrix Spike *Source sample: 22A0831-02 (Matrix Spike) Prepared: 01/27/2022 Analyzed: 01/31/2022

Carbazole	0.407	0.0841	mg/kg dry	0.840	ND	48.5	10-167				
Chrysene	0.564	0.0841	"	0.840	0.103	54.9	10-156				
Dibenzo(a,h)anthracene	0.412	0.0841	"	0.840	ND	49.0	10-137				
Dibenzofuran	0.446	0.0841	"	0.840	ND	53.0	10-147				
Diethyl phthalate	0.536	0.0841	"	0.840	ND	63.8	20-120				
Dimethyl phthalate	0.454	0.0841	"	0.840	ND	54.0	18-131				
Di-n-butyl phthalate	ND	0.0841	"	0.840	ND		10-137	Low Bias			
Di-n-octyl phthalate	0.552	0.0841	"	0.840	ND	65.8	10-180				
Fluoranthene	0.639	0.0841	"	0.840	0.196	52.7	10-160				
Fluorene	0.485	0.0841	"	0.840	ND	57.8	10-157				
Hexachlorobenzene	0.708	0.0841	"	0.840	ND	84.3	10-137				
Hexachlorobutadiene	0.767	0.0841	"	0.840	ND	91.3	10-132				
Hexachlorocyclopentadiene	ND	0.0841	"	0.840	ND		10-106	Low Bias			
Hexachloroethane	0.415	0.0841	"	0.840	ND	49.4	10-110				
Indeno(1,2,3-cd)pyrene	0.604	0.0841	"	0.840	0.0527	65.6	10-144				
Isophorone	0.524	0.0841	"	0.840	ND	62.4	10-132				
Naphthalene	0.486	0.0841	"	0.840	ND	57.8	10-141				
Nitrobenzene	0.0612	0.0841	"	0.840	ND	7.28	10-131	Low Bias			
N-Nitrosodimethylamine	ND	0.0841	"	0.840	ND		10-126	Low Bias			
N-nitroso-di-n-propylamine	0.352	0.0841	"	0.840	ND	41.9	10-125				
N-Nitrosodiphenylamine	0.579	0.0841	"	0.840	ND	69.0	10-177				
Pentachlorophenol	ND	0.0841	"	0.840	ND		10-153	Low Bias			
Phenanthrene	0.517	0.0841	"	0.840	0.0881	51.1	10-148				
Phenol	0.159	0.0841	"	0.840	ND	18.9	10-126				
Pyrene	0.587	0.0841	"	0.840	0.131	54.3	10-165				
Pyridine	ND	0.337	"	0.840	ND		10-83	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.227		"	1.68		13.5	20-108				
Surrogate: SURR: Phenol-d5	0.549		"	1.68		32.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.489		"	0.840		58.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.469		"	0.840		55.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.511		"	1.68		30.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.475		"	0.840		56.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22559 - EPA 3546 SVOA											
Matrix Spike Dup (BA22559-1) Matrix Spike Dup Source sample: 22A0831-02 (Matrix Spike Dup) Prepared: 01/27/2022 Analyzed: 01/31/2022											
1,1-Biphenyl	0.505	0.0841	mg/kg dry	0.840	ND	60.1	10-130		8.61	30	
1,2,4,5-Tetrachlorobenzene	0.529	0.168	"	0.840	ND	63.0	10-133		13.9	30	
1,2,4-Trichlorobenzene	0.548	0.0841	"	0.840	ND	65.2	10-127		6.72	30	
1,2-Dichlorobenzene	0.572	0.0841	"	0.840	ND	68.1	14-111		25.7	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.526	0.0841	"	0.840	ND	62.6	10-144		5.11	30	
1,3-Dichlorobenzene	0.445	0.0841	"	0.840	ND	53.0	11-111		19.9	30	
1,4-Dichlorobenzene	0.465	0.0841	"	0.840	ND	55.4	10-106		7.50	30	
2,3,4,6-Tetrachlorophenol	ND	0.168	"	0.840	ND		30-130	Low Bias		30	
2,4,5-Trichlorophenol	0.264	0.0841	"	0.840	ND	31.4	10-127		32.5	30	Non-dir.
2,4,6-Trichlorophenol	0.341	0.0841	"	0.840	ND	40.6	10-132		38.9	30	Non-dir.
2,4-Dichlorophenol	0.488	0.0841	"	0.840	ND	58.1	10-128		42.6	30	Non-dir.
2,4-Dimethylphenol	0.204	0.0841	"	0.840	ND	24.3	10-137		51.7	30	Non-dir.
2,4-Dinitrophenol	ND	0.168	"	0.840	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.583	0.0841	"	0.840	ND	69.4	16-135		34.8	30	Non-dir.
2,6-Dinitrotoluene	0.577	0.0841	"	0.840	ND	68.6	18-131		3.56	30	
2-Chloronaphthalene	0.452	0.0841	"	0.840	ND	53.8	10-129		6.77	30	
2-Chlorophenol	0.433	0.0841	"	0.840	ND	51.6	15-116		59.0	30	Non-dir.
2-Methylnaphthalene	0.637	0.0841	"	0.840	ND	75.8	10-147		12.7	30	
2-Methylphenol	0.231	0.0841	"	0.840	ND	27.4	10-136		87.6	30	Non-dir.
2-Nitroaniline	0.366	0.168	"	0.840	ND	43.5	10-137		14.5	30	
2-Nitrophenol	0.294	0.0841	"	0.840	ND	35.0	10-129		3.37	30	
3- & 4-Methylphenols	0.147	0.0841	"	0.840	ND	17.5	10-123		54.7	30	Non-dir.
3,3-Dichlorobenzidine	0.483	0.0841	"	0.840	ND	57.5	10-155		3.68	30	
3-Nitroaniline	0.366	0.168	"	0.840	ND	43.5	12-133		14.5	30	
4,6-Dinitro-2-methylphenol	ND	0.168	"	0.840	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.484	0.0841	"	0.840	ND	57.6	14-128		11.6	30	
4-Chloro-3-methylphenol	0.0941	0.0841	"	0.840	ND	11.2	10-134		31.3	30	Non-dir.
4-Chloroaniline	0.158	0.0841	"	0.840	ND	18.8	10-145		14.6	30	
4-Chlorophenyl phenyl ether	0.557	0.0841	"	0.840	ND	66.3	14-130		9.61	30	
4-Nitroaniline	0.125	0.168	"	0.840	ND	14.9	10-147		55.8	30	Non-dir.
4-Nitrophenol	0.784	0.168	"	0.840	ND	93.4	10-137		50.6	30	Non-dir.
Acenaphthene	0.508	0.0841	"	0.840	ND	60.5	10-146		15.2	30	
Acenaphthylene	0.447	0.0841	"	0.840	ND	53.2	10-134		1.67	30	
Acetophenone	0.401	0.0841	"	0.840	ND	47.8	10-116		48.0	30	Non-dir.
Aniline	0.405	0.337	"	0.840	ND	48.2	10-123		1.84	30	
Anthracene	0.468	0.0841	"	0.840	ND	55.8	10-142		2.69	30	
Atrazine	0.644	0.0841	"	0.840	ND	76.7	19-115		5.24	30	
Benzaldehyde	0.196	0.0841	"	0.840	ND	23.4	10-125		21.1	30	
Benzo(a)anthracene	0.566	0.0841	"	0.840	0.0915	56.5	10-158		3.50	30	
Benzo(a)pyrene	0.0517	0.0841	"	0.840	0.0587	NR	10-180	Low Bias	161	30	Non-dir.
Benzo(b)fluoranthene	0.587	0.0841	"	0.840	0.0474	64.2	10-200		14.4	30	
Benzo(g,h,i)perylene	0.507	0.0841	"	0.840	0.0507	54.4	10-138		18.5	30	
Benzo(k)fluoranthene	0.569	0.0841	"	0.840	0.0628	60.3	10-197		14.7	30	
Benzoic acid	1.14	0.0841	"	0.840	ND	135	10-166		78.2	30	Non-dir.
Benzyl alcohol	0.177	0.0841	"	0.840	ND	21.0	12-124		45.5	30	Non-dir.
Benzyl butyl phthalate	0.543	0.0841	"	0.840	ND	64.6	10-154		11.2	30	
Bis(2-chloroethoxy)methane	0.497	0.0841	"	0.840	ND	59.1	10-132		57.5	30	Non-dir.
Bis(2-chloroethyl)ether	0.564	0.0841	"	0.840	ND	67.1	10-119		8.97	30	
Bis(2-chloroisopropyl)ether	0.365	0.0841	"	0.840	ND	43.4	10-139		36.3	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.571	0.0841	"	0.840	ND	68.0	10-167		4.57	30	
Caprolactam	0.170	0.168	"	0.840	ND	20.2	10-132			30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22559 - EPA 3546 SVOA

Matrix Spike Dup (BA22559-1) Matrix Spike Dup Source sample: 22A0831-02 (Matrix Spike Dup)						Prepared: 01/27/2022 Analyzed: 01/31/2022					
Carbazole	0.442	0.0841	mg/kg dry	0.840	ND	52.6	10-167		8.08	30	
Chrysene	0.586	0.0841	"	0.840	0.103	57.5	10-156		3.86	30	
Dibenzo(a,h)anthracene	0.457	0.0841	"	0.840	ND	54.4	10-137		10.4	30	
Dibenzofuran	0.489	0.0841	"	0.840	ND	58.2	10-147		9.21	30	
Diethyl phthalate	0.535	0.0841	"	0.840	ND	63.7	20-120		0.126	30	
Dimethyl phthalate	0.524	0.0841	"	0.840	ND	62.3	18-131		14.3	30	
Di-n-butyl phthalate	0.472	0.0841	"	0.840	ND	56.2	10-137			30	
Di-n-octyl phthalate	0.588	0.0841	"	0.840	ND	70.0	10-180		6.25	30	
Fluoranthene	0.662	0.0841	"	0.840	0.196	55.4	10-160		3.51	30	
Fluorene	0.560	0.0841	"	0.840	ND	66.6	10-157		14.3	30	
Hexachlorobenzene	0.659	0.0841	"	0.840	ND	78.5	10-137		7.17	30	
Hexachlorobutadiene	0.813	0.0841	"	0.840	ND	96.8	10-132		5.87	30	
Hexachlorocyclopentadiene	ND	0.0841	"	0.840	ND		10-106	Low Bias		30	
Hexachloroethane	0.593	0.0841	"	0.840	ND	70.6	10-110		35.2	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.620	0.0841	"	0.840	0.0527	67.5	10-144		2.53	30	
Isophorone	0.550	0.0841	"	0.840	ND	65.5	10-132		4.88	30	
Naphthalene	0.583	0.0841	"	0.840	ND	69.4	10-141		18.1	30	
Nitrobenzene	0.321	0.0841	"	0.840	ND	38.2	10-131		136	30	Non-dir.
N-Nitrosodimethylamine	0.234	0.0841	"	0.840	ND	27.8	10-126			30	
N-nitroso-di-n-propylamine	0.473	0.0841	"	0.840	ND	56.3	10-125		29.3	30	
N-Nitrosodiphenylamine	0.547	0.0841	"	0.840	ND	65.1	10-177		5.73	30	
Pentachlorophenol	ND	0.0841	"	0.840	ND		10-153	Low Bias		30	
Phenanthrene	0.577	0.0841	"	0.840	0.0881	58.2	10-148		10.9	30	
Phenol	0.394	0.0841	"	0.840	ND	47.0	10-126		85.3	30	Non-dir.
Pyrene	0.650	0.0841	"	0.840	0.131	61.8	10-165		10.1	30	
Pyridine	ND	0.337	"	0.840	ND		10-83	Low Bias		30	
Surrogate: SURR: 2-Fluorophenol	0.104		"	1.68		6.20	20-108				
Surrogate: SURR: Phenol-d5	0.621		"	1.68		37.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.570		"	0.840		67.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.519		"	0.840		61.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.587		"	1.68		34.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.474		"	0.840		56.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21151 - EPA 3546 SVOA

Blank (BB21151-BLK1) Blank Prepared: 02/01/2022 Analyzed: 02/02/2022

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21151 - EPA 3546 SVOA

Blank (BB21151-BLK1) Blank Prepared: 02/01/2022 Analyzed: 02/02/2022

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	0.800		"	1.66		48.2	20-108				
Surrogate: SURR: Phenol-d5	0.747		"	1.66		45.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.439		"	0.831		52.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.409		"	0.831		49.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.911		"	1.66		54.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.467		"	0.831		56.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21151 - EPA 3546 SVOA

LCS (BB21151-BS1)	LCS	Prepared: 02/01/2022 Analyzed: 02/02/2022									
1,1-Biphenyl	0.466	0.0416	mg/kg wet	0.831		56.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.420	0.0830	"	0.831		50.6	21-131				
1,2,4-Trichlorobenzene	0.453	0.0416	"	0.831		54.6	10-140				
1,2-Dichlorobenzene	0.459	0.0416	"	0.831		55.3	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.412	0.0416	"	0.831		49.6	17-137				
1,3-Dichlorobenzene	0.462	0.0416	"	0.831		55.7	33-110				
1,4-Dichlorobenzene	0.423	0.0416	"	0.831		51.0	32-104				
2,3,4,6-Tetrachlorophenol	0.473	0.0830	"	0.831		56.9	30-130				
2,4,5-Trichlorophenol	0.453	0.0416	"	0.831		54.6	27-118				
2,4,6-Trichlorophenol	0.473	0.0416	"	0.831		56.9	31-120				
2,4-Dichlorophenol	0.483	0.0416	"	0.831		58.2	20-127				
2,4-Dimethylphenol	0.459	0.0416	"	0.831		55.3	14-132				
2,4-Dinitrophenol	0.331	0.0830	"	0.831		39.8	10-171				
2,4-Dinitrotoluene	0.491	0.0416	"	0.831		59.2	34-131				
2,6-Dinitrotoluene	0.534	0.0416	"	0.831		64.2	31-128				
2-Chloronaphthalene	0.430	0.0416	"	0.831		51.8	31-117				
2-Chlorophenol	0.460	0.0416	"	0.831		55.4	33-113				
2-Methylnaphthalene	0.471	0.0416	"	0.831		56.7	12-138				
2-Methylphenol	0.428	0.0416	"	0.831		51.5	10-136				
2-Nitroaniline	0.476	0.0830	"	0.831		57.4	27-132				
2-Nitrophenol	0.495	0.0416	"	0.831		59.6	17-129				
3- & 4-Methylphenols	0.387	0.0416	"	0.831		46.6	29-103				
3,3-Dichlorobenzidine	0.656	0.0416	"	0.831		79.0	22-149				
3-Nitroaniline	0.347	0.0830	"	0.831		41.8	20-133				
4,6-Dinitro-2-methylphenol	0.460	0.0830	"	0.831		55.4	10-143				
4-Bromophenyl phenyl ether	0.480	0.0416	"	0.831		57.8	29-120				
4-Chloro-3-methylphenol	0.428	0.0416	"	0.831		51.5	24-129				
4-Chloroaniline	0.192	0.0416	"	0.831		23.1	10-132				
4-Chlorophenyl phenyl ether	0.461	0.0416	"	0.831		55.6	27-124				
4-Nitroaniline	0.438	0.0830	"	0.831		52.7	16-128				
4-Nitrophenol	0.444	0.0830	"	0.831		53.4	10-141				
Acenaphthene	0.451	0.0416	"	0.831		54.3	30-121				
Acenaphthylene	0.412	0.0416	"	0.831		49.6	30-115				
Acetophenone	0.469	0.0416	"	0.831		56.5	20-112				
Aniline	0.472	0.166	"	0.831		56.8	10-119				
Anthracene	0.479	0.0416	"	0.831		57.7	34-118				
Atrazine	0.536	0.0416	"	0.831		64.5	26-112				
Benzaldehyde	0.465	0.0416	"	0.831		56.0	21-100				
Benzo(a)anthracene	0.497	0.0416	"	0.831		59.9	32-122				
Benzo(a)pyrene	0.526	0.0416	"	0.831		63.3	29-133				
Benzo(b)fluoranthene	0.518	0.0416	"	0.831		62.4	25-133				
Benzo(g,h,i)perylene	0.547	0.0416	"	0.831		65.8	10-143				
Benzo(k)fluoranthene	0.493	0.0416	"	0.831		59.4	25-128				
Benzoic acid	0.223	0.0416	"	0.831		26.8	10-140				
Benzyl alcohol	0.456	0.0416	"	0.831		54.9	30-115				
Benzyl butyl phthalate	0.533	0.0416	"	0.831		64.1	26-126				
Bis(2-chloroethoxy)methane	0.448	0.0416	"	0.831		54.0	19-132				
Bis(2-chloroethyl)ether	0.401	0.0416	"	0.831		48.2	19-125				
Bis(2-chloroisopropyl)ether	0.350	0.0416	"	0.831		42.1	20-135				
Bis(2-ethylhexyl)phthalate	0.546	0.0416	"	0.831		65.7	10-155				
Caprolactam	0.491	0.0830	"	0.831		59.1	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21151 - EPA 3546 SVOA

LCS (BB21151-BS1)	LCS	Prepared: 02/01/2022 Analyzed: 02/02/2022									
Carbazole	0.474	0.0416	mg/kg wet	0.831		57.0	35-123				
Chrysene	0.441	0.0416	"	0.831		53.0	32-123				
Dibenzo(a,h)anthracene	0.600	0.0416	"	0.831		72.2	10-136				
Dibenzofuran	0.416	0.0416	"	0.831		50.0	29-121				
Diethyl phthalate	0.479	0.0416	"	0.831		57.6	34-116				
Dimethyl phthalate	0.468	0.0416	"	0.831		56.3	35-124				
Di-n-butyl phthalate	0.495	0.0416	"	0.831		59.6	31-116				
Di-n-octyl phthalate	0.619	0.0416	"	0.831		74.6	26-136				
Fluoranthene	0.491	0.0416	"	0.831		59.1	33-122				
Fluorene	0.435	0.0416	"	0.831		52.4	29-123				
Hexachlorobenzene	0.473	0.0416	"	0.831		57.0	21-124				
Hexachlorobutadiene	0.506	0.0416	"	0.831		60.9	10-149				
Hexachlorocyclopentadiene	0.379	0.0416	"	0.831		45.6	10-129				
Hexachloroethane	0.442	0.0416	"	0.831		53.2	28-108				
Indeno(1,2,3-cd)pyrene	0.551	0.0416	"	0.831		66.4	10-135				
Isophorone	0.442	0.0416	"	0.831		53.2	20-132				
Naphthalene	0.457	0.0416	"	0.831		55.0	23-124				
Nitrobenzene	0.442	0.0416	"	0.831		53.2	13-132				
N-Nitrosodimethylamine	0.663	0.0416	"	0.831		79.8	11-129				
N-nitroso-di-n-propylamine	0.428	0.0416	"	0.831		51.5	24-119				
N-Nitrosodiphenylamine	0.545	0.0416	"	0.831		65.6	22-152				
Pentachlorophenol	0.329	0.0416	"	0.831		39.6	10-139				
Phenanthrene	0.452	0.0416	"	0.831		54.4	33-123				
Phenol	0.410	0.0416	"	0.831		49.4	23-115				
Pyrene	0.458	0.0416	"	0.831		55.2	24-130				
Pyridine	0.547	0.166	"	0.831		65.9	10-91				
Surrogate: SURR: 2-Fluorophenol	0.888		"	1.66		53.5	20-108				
Surrogate: SURR: Phenol-d5	0.790		"	1.66		47.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.443		"	0.831		53.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.408		"	0.831		49.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.999		"	1.66		60.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.451		"	0.831		54.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21151 - EPA 3546 SVOA												
Matrix Spike (BB21151-MS1)	Matrix Spike	*Source sample: 22A1044-04 (Matrix Spike)						Prepared: 02/01/2022 Analyzed: 02/03/2022				
1,1-Biphenyl	0.572	0.0475	mg/kg dry	0.949	ND	60.3	10-130					
1,2,4,5-Tetrachlorobenzene	0.533	0.0949	"	0.949	ND	56.1	10-133					
1,2,4-Trichlorobenzene	0.560	0.0475	"	0.949	ND	59.0	10-127					
1,2-Dichlorobenzene	0.584	0.0475	"	0.949	ND	61.6	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.461	0.0475	"	0.949	ND	48.5	10-144					
1,3-Dichlorobenzene	0.556	0.0475	"	0.949	ND	58.6	11-111					
1,4-Dichlorobenzene	0.585	0.0475	"	0.949	ND	61.7	10-106					
2,3,4,6-Tetrachlorophenol	0.555	0.0949	"	0.949	ND	58.5	30-130					
2,4,5-Trichlorophenol	0.562	0.0475	"	0.949	ND	59.2	10-127					
2,4,6-Trichlorophenol	0.562	0.0475	"	0.949	ND	59.2	10-132					
2,4-Dichlorophenol	0.633	0.0475	"	0.949	ND	66.6	10-128					
2,4-Dimethylphenol	0.509	0.0475	"	0.949	ND	53.6	10-137					
2,4-Dinitrophenol	ND	0.0949	"	0.949	ND		10-171	Low Bias				
2,4-Dinitrotoluene	0.411	0.0475	"	0.949	ND	43.3	16-135					
2,6-Dinitrotoluene	0.489	0.0475	"	0.949	ND	51.5	18-131					
2-Chloronaphthalene	0.525	0.0475	"	0.949	ND	55.4	10-129					
2-Chlorophenol	0.558	0.0475	"	0.949	ND	58.8	15-116					
2-Methylnaphthalene	0.576	0.0475	"	0.949	ND	60.7	10-147					
2-Methylphenol	0.586	0.0475	"	0.949	ND	61.8	10-136					
2-Nitroaniline	0.572	0.0949	"	0.949	ND	60.2	10-137					
2-Nitrophenol	0.415	0.0475	"	0.949	ND	43.8	10-129					
3- & 4-Methylphenols	0.462	0.0475	"	0.949	ND	48.7	10-123					
3,3-Dichlorobenzidine	0.703	0.0475	"	0.949	ND	74.0	10-155					
3-Nitroaniline	0.555	0.0949	"	0.949	ND	58.4	12-133					
4,6-Dinitro-2-methylphenol	ND	0.0949	"	0.949	ND		10-155	Low Bias				
4-Bromophenyl phenyl ether	0.548	0.0475	"	0.949	ND	57.7	14-128					
4-Chloro-3-methylphenol	0.526	0.0475	"	0.949	ND	55.4	10-134					
4-Chloroaniline	0.279	0.0475	"	0.949	ND	29.4	10-145					
4-Chlorophenyl phenyl ether	0.514	0.0475	"	0.949	ND	54.2	14-130					
4-Nitroaniline	0.533	0.0949	"	0.949	ND	56.2	10-147					
4-Nitrophenol	0.473	0.0949	"	0.949	ND	49.8	10-137					
Acenaphthene	0.540	0.0475	"	0.949	ND	56.9	10-146					
Acenaphthylene	0.500	0.0475	"	0.949	ND	52.6	10-134					
Acetophenone	0.586	0.0475	"	0.949	ND	61.7	10-116					
Aniline	0.474	0.190	"	0.949	ND	49.9	10-123					
Anthracene	0.564	0.0475	"	0.949	ND	59.4	10-142					
Atrazine	0.538	0.0475	"	0.949	ND	56.7	19-115					
Benzaldehyde	0.603	0.0475	"	0.949	ND	63.5	10-125					
Benzo(a)anthracene	0.608	0.0475	"	0.949	ND	64.1	10-158					
Benzo(a)pyrene	0.682	0.0475	"	0.949	ND	71.8	10-180					
Benzo(b)fluoranthene	0.631	0.0475	"	0.949	ND	66.4	10-200					
Benzo(g,h,i)perylene	0.481	0.0475	"	0.949	ND	50.6	10-138					
Benzo(k)fluoranthene	0.618	0.0475	"	0.949	ND	65.2	10-197					
Benzoic acid	0.138	0.0475	"	0.949	ND	14.5	10-166					
Benzyl alcohol	0.518	0.0475	"	0.949	ND	54.6	12-124					
Benzyl butyl phthalate	0.526	0.0475	"	0.949	ND	55.4	10-154					
Bis(2-chloroethoxy)methane	0.517	0.0475	"	0.949	ND	54.4	10-132					
Bis(2-chloroethyl)ether	0.517	0.0475	"	0.949	ND	54.5	10-119					
Bis(2-chloroisopropyl)ether	0.435	0.0475	"	0.949	ND	45.8	10-139					
Bis(2-ethylhexyl)phthalate	0.554	0.0475	"	0.949	ND	58.4	10-167					
Caprolactam	0.587	0.0949	"	0.949	ND	61.8	10-132					



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21151 - EPA 3546 SVOA

Matrix Spike (BB21151-MS1)	Matrix Spike	*Source sample: 22A1044-04 (Matrix Spike)					Prepared: 02/01/2022 Analyzed: 02/03/2022	
Carbazole	0.544	0.0475	mg/kg dry	0.949	ND	57.3	10-167	
Chrysene	0.526	0.0475	"	0.949	ND	55.4	10-156	
Dibenzo(a,h)anthracene	0.574	0.0475	"	0.949	ND	60.5	10-137	
Dibenzofuran	0.510	0.0475	"	0.949	ND	53.7	10-147	
Diethyl phthalate	0.530	0.0475	"	0.949	ND	55.8	20-120	
Dimethyl phthalate	0.542	0.0475	"	0.949	ND	57.1	18-131	
Di-n-butyl phthalate	0.551	0.0475	"	0.949	ND	58.0	10-137	
Di-n-octyl phthalate	0.667	0.0475	"	0.949	ND	70.3	10-180	
Fluoranthene	0.605	0.0475	"	0.949	ND	63.7	10-160	
Fluorene	0.510	0.0475	"	0.949	ND	53.8	10-157	
Hexachlorobenzene	0.591	0.0475	"	0.949	ND	62.2	10-137	
Hexachlorobutadiene	0.646	0.0475	"	0.949	ND	68.1	10-132	
Hexachlorocyclopentadiene	0.0368	0.0475	"	0.949	ND	3.88	10-106	Low Bias
Hexachloroethane	0.367	0.0475	"	0.949	ND	38.6	10-110	
Indeno(1,2,3-cd)pyrene	0.574	0.0475	"	0.949	ND	60.5	10-144	
Isophorone	0.533	0.0475	"	0.949	ND	56.2	10-132	
Naphthalene	0.582	0.0475	"	0.949	ND	61.3	10-141	
Nitrobenzene	0.592	0.0475	"	0.949	ND	62.3	10-131	
N-Nitrosodimethylamine	0.958	0.0475	"	0.949	ND	101	10-126	
N-nitroso-di-n-propylamine	0.574	0.0475	"	0.949	ND	60.5	10-125	
N-Nitrosodiphenylamine	0.612	0.0475	"	0.949	ND	64.4	10-177	
Pentachlorophenol	0.440	0.0475	"	0.949	ND	46.4	10-153	
Phenanthrene	0.534	0.0475	"	0.949	ND	56.3	10-148	
Phenol	0.508	0.0475	"	0.949	ND	53.5	10-126	
Pyrene	0.470	0.0475	"	0.949	ND	49.6	10-165	
Pyridine	0.778	0.190	"	0.949	ND	82.0	10-83	
Surrogate: SURR: 2-Fluorophenol	1.17		"	1.90		61.6	20-108	
Surrogate: SURR: Phenol-d5	1.03		"	1.90		54.4	23-114	
Surrogate: SURR: Nitrobenzene-d5	0.583		"	0.949		61.4	22-108	
Surrogate: SURR: 2-Fluorobiphenyl	0.551		"	0.949		58.0	21-113	
Surrogate: SURR: 2,4,6-Tribromophenol	1.20		"	1.90		63.3	19-110	
Surrogate: SURR: Terphenyl-d14	0.463		"	0.949		48.8	24-116	



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22557 - EPA 3550C												
Blank (BA22557-BLK1)	Blank										Prepared: 01/27/2022 Analyzed: 01/28/2022	
1,4-Dioxane	ND	19.8	ug/kg									
Surrogate: 1,4-Dioxane-d8	238		"	495		48.0	39-127.5					
LCS (BA22557-BS1)	LCS										Prepared: 01/27/2022 Analyzed: 01/28/2022	
1,4-Dioxane	419	19.8	ug/kg	495		84.6	40-130					
Surrogate: 1,4-Dioxane-d8	257		"	495		52.0	39-127.5					
Matrix Spike (BA22557-MS1)	Matrix Spike	*Source sample: 22A0852-04 (Matrix Spike)										Prepared: 01/27/2022 Analyzed: 01/28/2022
1,4-Dioxane	347	19.8	ug/kg	495	ND	70.0	40-130					
Surrogate: 1,4-Dioxane-d8	198		"	495		40.0	40-130					
Matrix Spike Dup (BA22557-MS1)	Matrix Spike Dup	*Source sample: 22A0852-04 (Matrix Spike Dup)										Prepared: 01/27/2022 Analyzed: 01/28/2022
1,4-Dioxane	353	19.8	ug/kg	495	ND	71.4	40-130		1.98	30		
Surrogate: 1,4-Dioxane-d8	208		"	495		42.0	40-130					



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22550 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BA22550-BLK1) Blank

Prepared: 01/27/2022 Analyzed: 01/28/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.231	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.231	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.231	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.231	"								
Perfluorooctanoic acid (PFOA)	ND	0.231	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.231	"								
Perfluorononanoic acid (PFNA)	ND	0.231	"								
Perfluorodecanoic acid (PFDA)	ND	0.231	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.231	"								
Perfluorododecanoic acid (PFDoA)	ND	0.231	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.231	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.231	"								
N-MeFOSAA	ND	0.231	"								
N-EtFOSAA	ND	0.231	"								
Perfluoropentanoic acid (PFPeA)	ND	0.231	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.231	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.231	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.231	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.231	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.231	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.231	"								
Surrogate: M3PFBS	4.03		"	4.29		94.1	25-150				
Surrogate: M5PFHxA	4.52		"	4.61		98.0	25-150				
Surrogate: M4PFHpA	4.48		"	4.61		97.0	25-150				
Surrogate: M3PFHxS	3.81		"	4.37		87.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.04		"	4.61		109	25-150				
Surrogate: M6PFDA	4.41		"	4.61		95.6	25-150				
Surrogate: M7PFUdA	4.25		"	4.61		92.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.21		"	4.61		91.2	25-150				
Surrogate: M2PFTeDA	2.56		"	4.61		55.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.52		"	4.61		97.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.15		"	4.42		94.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.39		"	4.61		95.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.56		"	4.61		77.2	10-150				
Surrogate: d3-N-MeFOSAA	4.58		"	4.61		99.3	25-150				
Surrogate: d5-N-EtFOSAA	3.68		"	4.61		79.7	25-150				
Surrogate: M2-6:2 FTS	4.12		"	4.38		94.1	25-200				
Surrogate: M2-8:2 FTS	4.21		"	4.42		95.2	25-200				
Surrogate: M9PFNA	4.39		"	4.61		95.1	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22550 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BA22550-BS1)	LCS	Prepared: 01/27/2022 Analyzed: 01/28/2022									
Perfluorobutanesulfonic acid (PFBS)	4.13	0.241	ug/kg wet	4.26		96.8	50-130				
Perfluorohexanoic acid (PFHxA)	5.00	0.241	"	4.82		104	50-130				
Perfluoroheptanoic acid (PFHpA)	4.79	0.241	"	4.82		99.3	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.30	0.241	"	4.38		98.2	50-130				
Perfluorooctanoic acid (PFOA)	4.60	0.241	"	4.82		95.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.56	0.241	"	4.46		102	50-130				
Perfluorononanoic acid (PFNA)	5.25	0.241	"	4.82		109	50-130				
Perfluorodecanoic acid (PFDA)	5.03	0.241	"	4.82		104	50-130				
Perfluoroundecanoic acid (PFUnA)	5.37	0.241	"	4.82		111	50-130				
Perfluorododecanoic acid (PFDoA)	4.89	0.241	"	4.82		102	50-130				
Perfluorotridecanoic acid (PFTriDA)	4.11	0.241	"	4.82		85.4	50-130				
Perfluorotetradecanoic acid (PFTA)	7.04	0.241	"	4.82		146	50-130	High Bias			
N-MeFOSAA	4.93	0.241	"	4.82		102	50-130				
N-EtFOSAA	4.85	0.241	"	4.82		101	50-130				
Perfluoropentanoic acid (PFPeA)	4.89	0.241	"	4.82		102	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.18	0.241	"	4.82		86.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.65	0.241	"	4.60		101	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.47	0.241	"	4.65		96.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	6.55	0.241	"	4.58		143	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.71	0.241	"	4.62		102	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.68	0.241	"	4.82		97.2	50-130				
Surrogate: M3PFBS	4.23		"	4.47		94.6	25-150				
Surrogate: M5PFHxA	4.58		"	4.82		95.1	25-150				
Surrogate: M4PFHpA	4.63		"	4.82		96.1	25-150				
Surrogate: M3PFHxS	4.29		"	4.56		94.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.39		"	4.82		91.1	25-150				
Surrogate: M6PFDA	4.29		"	4.82		89.1	25-150				
Surrogate: M7PFUdA	3.77		"	4.82		78.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.25		"	4.82		88.2	25-150				
Surrogate: M2PFTeDA	2.07		"	4.82		43.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.71		"	4.82		97.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.07		"	4.61		88.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.58		"	4.82		95.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	4.04		"	4.82		83.9	10-150				
Surrogate: d3-N-MeFOSAA	3.66		"	4.82		76.0	25-150				
Surrogate: d5-N-EtFOSAA	4.50		"	4.82		93.4	25-150				
Surrogate: M2-6:2 FTS	4.03		"	4.57		88.2	25-200				
Surrogate: M2-8:2 FTS	5.32		"	4.61		115	25-200				
Surrogate: M9PFNA	4.70		"	4.82		97.5	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22550 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BA22550-MS1)	Matrix Spike	*Source sample: 22A1074-01 (Matrix Spike)					Prepared: 01/27/2022 Analyzed: 01/28/2022	
Perfluorobutanesulfonic acid (PFBS)	4.28	0.248	ug/kg dry	4.39	ND	97.6	25-150	
Perfluorohexanoic acid (PFHxA)	4.70	0.248	"	4.96	0.368	87.3	25-150	
Perfluoroheptanoic acid (PFHpA)	6.75	0.248	"	4.96	ND	136	25-150	
Perfluorohexanesulfonic acid (PFHxS)	4.80	0.248	"	4.52	ND	106	25-150	
Perfluorooctanoic acid (PFOA)	3.98	0.248	"	4.96	ND	80.2	25-150	
Perfluorooctanesulfonic acid (PFOS)	5.32	0.248	"	4.59	ND	116	25-150	
Perfluorononanoic acid (PFNA)	5.56	0.248	"	4.96	ND	112	25-150	
Perfluorodecanoic acid (PFDA)	4.79	0.248	"	4.96	ND	96.6	25-150	
Perfluoroundecanoic acid (PFUnA)	4.40	0.248	"	4.96	ND	88.7	25-150	
Perfluorododecanoic acid (PFDoA)	4.49	0.248	"	4.96	ND	90.4	25-150	
Perfluorotridecanoic acid (PFTriDA)	4.36	0.248	"	4.96	ND	87.8	25-150	
Perfluorotetradecanoic acid (PFTA)	4.73	0.248	"	4.96	ND	95.4	25-150	
N-MeFOSAA	4.82	0.248	"	4.96	ND	97.0	25-150	
N-EtFOSAA	5.57	0.248	"	4.96	ND	112	25-150	
Perfluoropentanoic acid (PFPeA)	4.74	0.248	"	4.96	2.01	55.0	25-150	
Perfluoro-1-octanesulfonamide (FOSA)	4.26	0.248	"	4.96	ND	85.9	25-150	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.53	0.248	"	4.74	ND	138	25-150	
Perfluoro-1-decanesulfonic acid (PFDS)	3.72	0.248	"	4.79	ND	77.6	25-150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.40	0.248	"	4.72	ND	93.4	25-200	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.39	0.248	"	4.76	ND	92.1	25-200	
Perfluoro-n-butanoic acid (PFBA)	5.28	0.248	"	4.96	0.328	99.8	25-150	
Surrogate: M3PFBS	3.51		"	4.61		76.0	25-150	
Surrogate: M5PFHxA	4.21		"	4.96		84.8	25-150	
Surrogate: M4PFHpA	2.65		"	4.96		53.5	25-150	
Surrogate: M3PFHxS	3.10		"	4.70		66.1	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.95		"	4.96		99.7	25-150	
Surrogate: M6PFDA	3.71		"	4.96		74.7	25-150	
Surrogate: M7PFUdA	2.94		"	4.96		59.2	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.26		"	4.96		45.6	25-150	
Surrogate: M2PFTeDA	1.98		"	4.96		39.9	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.73		"	4.96		75.1	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.65		"	4.75		55.7	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.84		"	4.96		77.5	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.93		"	4.96		38.8	10-150	
Surrogate: d3-N-MeFOSAA	4.48		"	4.96		90.4	25-150	
Surrogate: d5-N-EtFOSAA	4.16		"	4.96		83.9	25-150	
Surrogate: M2-6:2 FTS	12.1		"	4.71		257	25-200	
Surrogate: M2-8:2 FTS	9.49		"	4.75		200	25-200	
Surrogate: M9PFNA	3.66		"	4.96		73.8	25-150	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22550 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BA22550-1 Matrix Spike Dup) Source sample: 22A1074-01 (Matrix Spike Dup)						Prepared: 01/27/2022 Analyzed: 01/28/2022					
Perfluorobutanesulfonic acid (PFBS)	4.53	0.270	ug/kg dry	4.77	ND	94.9	25-150		5.55	35	
Perfluorohexanoic acid (PFHxA)	5.13	0.270	"	5.39	0.368	88.2	25-150		8.65	35	
Perfluoroheptanoic acid (PFHpA)	7.29	0.270	"	5.39	ND	135	25-150		7.68	35	
Perfluorohexanesulfonic acid (PFHxS)	4.06	0.270	"	4.91	ND	82.7	25-150		16.6	35	
Perfluorooctanoic acid (PFOA)	4.84	0.270	"	5.39	ND	89.8	25-150		19.5	35	
Perfluorooctanesulfonic acid (PFOS)	5.06	0.270	"	4.99	ND	101	25-150		5.05	35	
Perfluorononanoic acid (PFNA)	6.13	0.270	"	5.39	ND	114	25-150		9.74	35	
Perfluorodecanoic acid (PFDA)	5.18	0.270	"	5.39	ND	96.0	25-150		7.73	35	
Perfluoroundecanoic acid (PFUnA)	4.99	0.270	"	5.39	ND	92.5	25-150		12.4	35	
Perfluorododecanoic acid (PFDoA)	5.33	0.270	"	5.39	ND	98.8	25-150		17.1	35	
Perfluorotridecanoic acid (PFTriDA)	4.90	0.270	"	5.39	ND	90.9	25-150		11.7	35	
Perfluorotetradecanoic acid (PFTA)	4.77	0.270	"	5.39	ND	88.5	25-150		0.838	35	
N-MeFOSAA	4.74	0.270	"	5.39	ND	87.8	25-150		1.63	35	
N-EtFOSAA	5.81	0.270	"	5.39	ND	108	25-150		4.23	35	
Perfluoropentanoic acid (PFPeA)	5.10	0.270	"	5.39	2.01	57.4	25-150		7.44	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.31	0.270	"	5.39	ND	98.5	25-150		22.0	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.44	0.270	"	5.15	ND	106	25-150		18.3	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.24	0.270	"	5.21	ND	62.3	25-150		13.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.23	0.270	"	5.12	ND	102	25-200		17.2	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.40	0.270	"	5.18	ND	104	25-200		20.6	35	
Perfluoro-n-butanoic acid (PFBA)	5.52	0.270	"	5.39	0.328	96.2	25-150		4.34	35	
Surrogate: M3PFBS	3.59		"	5.01		71.6	25-150				
Surrogate: M5PFHxA	4.32		"	5.39		80.1	25-150				
Surrogate: M4PFHpA	3.01		"	5.39		55.8	25-150				
Surrogate: M3PFHxS	4.22		"	5.10		82.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.41		"	5.39		81.8	25-150				
Surrogate: M6PFDA	3.70		"	5.39		68.5	25-150				
Surrogate: M7PFUdA	3.09		"	5.39		57.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.67		"	5.39		49.5	25-150				
Surrogate: M2PFTeDA	2.48		"	5.39		46.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.86		"	5.39		71.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.27		"	5.16		63.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.95		"	5.39		73.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.24		"	5.39		41.5	10-150				
Surrogate: d3-N-MeFOSAA	4.85		"	5.39		89.9	25-150				
Surrogate: d5-N-EtFOSAA	4.52		"	5.39		83.8	25-150				
Surrogate: M2-6:2 FTS	9.16		"	5.12		179	25-200				
Surrogate: M2-8:2 FTS	9.24		"	5.17		179	25-200				
Surrogate: M9PFNA	3.73		"	5.39		69.2	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22512 - EPA 3550C

Blank (BA22512-BLK1)	Blank	Prepared: 01/27/2022 Analyzed: 01/28/2022									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								

Surrogate: Decachlorobiphenyl	0.0495	"	0.0664	74.6	30-150
Surrogate: Tetrachloro-m-xylene	0.0410	"	0.0664	61.7	30-150

LCS (BA22512-BS1)	LCS	Prepared: 01/27/2022 Analyzed: 01/28/2022									
4,4'-DDD	0.0294	0.00164	mg/kg wet	0.0332	88.3	40-140					
4,4'-DDE	0.0296	0.00164	"	0.0332	89.1	40-140					
4,4'-DDT	0.0247	0.00164	"	0.0332	74.3	40-140					
Aldrin	0.0323	0.00164	"	0.0332	97.3	40-140					
alpha-BHC	0.0317	0.00164	"	0.0332	95.5	40-140					
alpha-Chlordane	0.0318	0.00164	"	0.0332	95.7	40-140					
beta-BHC	0.0319	0.00164	"	0.0332	96.0	40-140					
delta-BHC	0.0308	0.00164	"	0.0332	92.6	40-140					
Dieldrin	0.0319	0.00164	"	0.0332	96.1	40-140					
Endosulfan I	0.0328	0.00164	"	0.0332	98.6	40-140					
Endosulfan II	0.0313	0.00164	"	0.0332	94.3	40-140					
Endosulfan sulfate	0.0282	0.00164	"	0.0332	84.9	40-140					
Endrin	0.0286	0.00164	"	0.0332	86.2	40-140					
Endrin aldehyde	0.0255	0.00164	"	0.0332	76.8	40-140					
Endrin ketone	0.0337	0.00164	"	0.0332	101	40-140					
gamma-BHC (Lindane)	0.0319	0.00164	"	0.0332	96.1	40-140					
gamma-Chlordane	0.0324	0.00164	"	0.0332	97.4	40-140					
Heptachlor	0.0278	0.00164	"	0.0332	83.7	40-140					
Heptachlor epoxide	0.0327	0.00164	"	0.0332	98.4	40-140					
Methoxychlor	0.0262	0.00164	"	0.0332	78.8	40-140					

Surrogate: Decachlorobiphenyl	0.0499	"	0.0664	75.1	30-150
Surrogate: Tetrachloro-m-xylene	0.0409	"	0.0664	61.5	30-150



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22512 - EPA 3550C

Matrix Spike (BA22512-MS1)	Matrix Spike	*Source sample: 22A0851-02 (Matrix Spike)						Prepared: 01/27/2022 Analyzed: 02/01/2022			
4,4'-DDD	0.0237	0.00198	mg/kg dry	0.0399	ND	59.5	30-150				
4,4'-DDE	0.0163	0.00198	"	0.0399	ND	40.8	30-150				
4,4'-DDT	0.0304	0.00198	"	0.0399	ND	76.1	30-150				
Aldrin	0.0396	0.00198	"	0.0399	ND	99.3	30-150				
alpha-BHC	0.0459	0.00198	"	0.0399	ND	115	30-150				
alpha-Chlordane	0.0346	0.00198	"	0.0399	ND	86.6	30-150				
beta-BHC	0.0408	0.00198	"	0.0399	ND	102	30-150				
delta-BHC	0.0327	0.00198	"	0.0399	ND	82.1	30-150				
Dieldrin	0.0357	0.00198	"	0.0399	ND	89.5	30-150				
Endosulfan I	0.0478	0.00198	"	0.0399	ND	120	30-150				
Endosulfan II	0.0370	0.00198	"	0.0399	ND	92.7	30-150				
Endosulfan sulfate	0.0302	0.00198	"	0.0399	ND	75.7	30-150				
Endrin	0.0179	0.00198	"	0.0399	ND	44.8	30-150				
Endrin aldehyde	0.0303	0.00198	"	0.0399	ND	76.0	30-150				
Endrin ketone	0.0338	0.00198	"	0.0399	ND	84.6	30-150				
gamma-BHC (Lindane)	0.0381	0.00198	"	0.0399	ND	95.4	30-150				
gamma-Chlordane	0.0347	0.00198	"	0.0399	ND	87.1	30-150				
Heptachlor	0.0281	0.00198	"	0.0399	ND	70.3	30-150				
Heptachlor epoxide	0.0352	0.00198	"	0.0399	ND	88.2	30-150				
Methoxychlor	0.0498	0.00198	"	0.0399	ND	125	30-150				
Surrogate: Decachlorobiphenyl	0.0717		"	0.0798		89.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0981		"	0.0798		123	30-150				

Matrix Spike Dup (BA22512-1)	Matrix Spike Dup	*Source sample: 22A0851-02 (Matrix Spike Dup)						Prepared: 01/27/2022 Analyzed: 02/01/2022			
4,4'-DDD	0.0221	0.00198	mg/kg dry	0.0399	ND	55.3	30-150	7.26	30		
4,4'-DDE	0.0164	0.00198	"	0.0399	ND	41.0	30-150	0.428	30		
4,4'-DDT	0.0224	0.00198	"	0.0399	ND	56.2	30-150	30.0	30		
Aldrin	0.0390	0.00198	"	0.0399	ND	97.8	30-150	1.44	30		
alpha-BHC	0.0448	0.00198	"	0.0399	ND	112	30-150	2.30	30		
alpha-Chlordane	0.0343	0.00198	"	0.0399	ND	85.9	30-150	0.864	30		
beta-BHC	0.0397	0.00198	"	0.0399	ND	99.4	30-150	2.95	30		
delta-BHC	0.0316	0.00198	"	0.0399	ND	79.2	30-150	3.52	30		
Dieldrin	0.0353	0.00198	"	0.0399	ND	88.4	30-150	1.20	30		
Endosulfan I	0.0502	0.00198	"	0.0399	ND	126	30-150	4.88	30		
Endosulfan II	0.0366	0.00198	"	0.0399	ND	91.7	30-150	1.12	30		
Endosulfan sulfate	0.0296	0.00198	"	0.0399	ND	74.1	30-150	2.16	30		
Endrin	0.0173	0.00198	"	0.0399	ND	43.3	30-150	3.40	30		
Endrin aldehyde	0.0277	0.00198	"	0.0399	ND	69.4	30-150	9.10	30		
Endrin ketone	0.0328	0.00198	"	0.0399	ND	82.3	30-150	2.76	30		
gamma-BHC (Lindane)	0.0378	0.00198	"	0.0399	ND	94.8	30-150	0.610	30		
gamma-Chlordane	0.0342	0.00198	"	0.0399	ND	85.7	30-150	1.57	30		
Heptachlor	0.0268	0.00198	"	0.0399	ND	67.2	30-150	4.50	30		
Heptachlor epoxide	0.0343	0.00198	"	0.0399	ND	85.9	30-150	2.65	30		
Methoxychlor	0.0491	0.00198	"	0.0399	ND	123	30-150	1.44	30		
Surrogate: Decachlorobiphenyl	0.0687		"	0.0798		86.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0965		"	0.0798		121	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1L0136 - BK12270

Performance Mix (Y1L0136-P Performance Mix)							Prepared & Analyzed: 11/30/2021				
4,4'-DDD	19.6		ng/mL	0.00			0-200				
4,4'-DDE	2.23		"	0.00			0-200				
4,4'-DDT	298		"	200		149	0-200				
Endrin	150		"	100		150	0-200				
Endrin aldehyde	2.82		"	0.00			0-200				
Endrin ketone	15.6		"	0.00			0-200				

Batch Y2A2409 - BK12270

Performance Mix (Y2A2409-F Performance Mix)							Prepared & Analyzed: 01/18/2022				
4,4'-DDD	0.985		ng/mL	0.00			0-200				
4,4'-DDE	0.559		"	0.00			0-200				
4,4'-DDT	48.6		"	200		24.3	0-200				
Endrin	29.9		"	100		29.9	0-200				
Endrin aldehyde	0.779		"	0.00			0-200				
Endrin ketone	1.09		"	0.00			0-200				

Batch Y2A3001 - BA21327

Performance Mix (Y2A3001-F Performance Mix)							Prepared & Analyzed: 01/28/2022				
4,4'-DDD	23.9		ng/mL	0.00			0-200				
4,4'-DDE	5.88		"	0.00			0-200				
4,4'-DDT	283		"	200		141	0-200				
Endrin	165		"	100		165	0-200				
Endrin aldehyde	10.1		"	0.00			0-200				
Endrin ketone	20.0		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	382		"	200		191	0-200				
Surrogate: Tetrachloro-m-xylene	376		"	200		188	0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y2A3111 - BK12270

Performance Mix (Y2A3111-P Performance Mix)							Prepared & Analyzed: 01/28/2022				
4,4'-DDD	10.9		ng/mL	0.00			0-200				
4,4'-DDE	2.39		"	0.00			0-200				
4,4'-DDT	191		"	200		95.5	0-200				
Endrin	116		"	100		116	0-200				
Endrin aldehyde	6.57		"	0.00			0-200				
Endrin ketone	14.9		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	316		"	200		158	0-200				
Surrogate: Tetrachloro-m-xylene	252		"	200		126	0-200				

Batch Y2B0203 - BA21327

Performance Mix (Y2B0203-P Performance Mix)							Prepared & Analyzed: 02/01/2022				
4,4'-DDD	14.2		ng/mL	0.00			0-200				
4,4'-DDE	2.46		"	0.00			0-200				
4,4'-DDT	244		"	200		122	0-200				
Endrin	130		"	100		130	0-200				
Endrin aldehyde	6.43		"	0.00			0-200				
Endrin ketone	13.0		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	299		"	200		150	0-200				
Surrogate: Tetrachloro-m-xylene	297		"	200		149	0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22512 - EPA 3550C

Blank (BA22512-BLK2)		Blank		Prepared & Analyzed: 01/27/2022							
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0561</i>		<i>"</i>	<i>0.0664</i>		<i>84.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0449</i>		<i>"</i>	<i>0.0664</i>		<i>67.5</i>	<i>30-120</i>				

LCS (BA22512-BS2)		LCS		Prepared & Analyzed: 01/27/2022							
Aroclor 1016	0.315	0.0166	mg/kg wet	0.332		94.7	40-130				
Aroclor 1260	0.300	0.0166	"	0.332		90.2	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0561</i>		<i>"</i>	<i>0.0664</i>		<i>84.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0429</i>		<i>"</i>	<i>0.0664</i>		<i>64.5</i>	<i>30-120</i>				

Batch Y2A2738 - BA22479

Aroclor Reference (Y2A2738-)		Aroclor Reference		Prepared & Analyzed: 01/27/2022							
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.202</i>		<i>ug/mL</i>	<i>0.200</i>		<i>101</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.158</i>		<i>"</i>	<i>0.200</i>		<i>79.0</i>					

Batch Y2A2818 - BA22433

Aroclor Reference (Y2A2818-)		Aroclor Reference		Prepared & Analyzed: 01/27/2022							
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.195</i>		<i>ug/mL</i>	<i>0.200</i>		<i>97.5</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.157</i>		<i>"</i>	<i>0.200</i>		<i>78.5</i>					



Chlorinated Herbicides by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22560 - EPA 3550C/8151A												
Blank (BA22560-BLK1)	Blank							Prepared: 01/27/2022 Analyzed: 01/28/2022				
2,4,5-T	ND	0.0199	mg/kg wet									
2,4,5-TP (Silvex)	ND	0.0199	"									
2,4-D	ND	0.0199	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.336		"	0.415		80.8	21-150					
LCS (BA22560-BS1)	LCS							Prepared: 01/27/2022 Analyzed: 01/28/2022				
2,4,5-T	0.0581	0.0199	mg/kg wet	0.133		43.7	10-120					
2,4,5-TP (Silvex)	0.0723	0.0199	"	0.133		54.4	10-120					
2,4-D	0.0698	0.0199	"	0.133		52.5	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.326		"	0.415		78.6	21-150					
Matrix Spike (BA22560-MS1)	Matrix Spike	*Source sample: 22A1064-01 (046_LSB-12_15-17)					Prepared: 01/27/2022 Analyzed: 01/28/2022					
2,4,5-T	0.0726	0.0223	mg/kg dry	0.149	ND	48.8	10-120					
2,4,5-TP (Silvex)	0.0847	0.0223	"	0.149	ND	56.9	10-120					
2,4-D	0.0819	0.0223	"	0.149	ND	55.0	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.358		"	0.465		77.0	21-150					
Matrix Spike Dup (BA22560-1)	Matrix Spike Dup	*Source sample: 22A1064-01 (046_LSB-12_15-17)					Prepared: 01/27/2022 Analyzed: 01/28/2022					
2,4,5-T	0.0731	0.0225	mg/kg dry	0.150	ND	48.8	10-120		0.660	35		
2,4,5-TP (Silvex)	0.0834	0.0225	"	0.150	ND	55.6	10-120		1.56	35		
2,4-D	0.0834	0.0225	"	0.150	ND	55.6	10-118		1.79	35		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.340		"	0.468		72.6	21-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22572 - EPA 3050B

Blank (BA22572-BLK1)	Blank	Prepared: 01/27/2022 Analyzed: 01/28/2022									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	30.0	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	15.9	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BA22572-DUP1)	Duplicate	*Source sample: 22A1064-02 (047_LSB-12_18-20) Prepared: 01/27/2022 Analyzed: 01/28/2022									
Aluminum	16700	6.04	mg/kg dry		8040				70.2	35	Non-dir.
Antimony	5.37	3.02	"		ND					35	
Arsenic	ND	1.81	"		4.42					35	
Barium	169	3.02	"		93.0				57.9	35	Non-dir.
Beryllium	ND	0.060	"		ND					35	
Cadmium	ND	0.362	"		ND					35	
Calcium	8820	6.04	"		49500				139	35	Non-dir.
Chromium	39.7	0.604	"		20.6				63.4	35	Non-dir.
Cobalt	20.6	0.483	"		7.91				89.1	35	Non-dir.
Copper	42.4	2.42	"		20.0				71.9	35	Non-dir.
Iron	29500	30.2	"		13400				75.4	35	Non-dir.
Lead	16.0	0.604	"		25.9				47.2	35	Non-dir.
Magnesium	8180	6.04	"		8730				6.50	35	
Manganese	340	0.604	"		275				20.9	35	
Nickel	38.6	1.21	"		16.8				78.8	35	Non-dir.
Potassium	6160	6.04	"		2500				84.4	35	Non-dir.
Selenium	ND	3.02	"		ND					35	
Silver	1.12	0.604	"		1.05				7.14	35	
Sodium	241	60.4	"		192				22.6	35	
Thallium	ND	3.02	"		ND					35	
Vanadium	49.3	1.21	"		37.4				27.6	35	
Zinc	58.4	3.02	"		48.7				18.3	35	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22572 - EPA 3050B

Matrix Spike (BA22572-MS1) Matrix Spike *Source sample: 22A1064-02 (047_LSB-12_18-20) Prepared: 01/27/2022 Analyzed: 01/28/2022

Aluminum	16100	6.04	mg/kg dry	242	8040	NR	75-125	High Bias			
Antimony	18.6	3.02	"	30.2	ND	61.4	75-125	Low Bias			
Arsenic	238	1.81	"	242	4.42	96.7	75-125				
Barium	422	3.02	"	242	93.0	136	75-125	High Bias			
Beryllium	2.73	0.060	"	6.04	ND	45.3	75-125	Low Bias			
Cadmium	6.30	0.362	"	6.04	ND	104	75-125				
Calcium	8090	6.04	"	121	49500	NR	75-125	Low Bias			
Chromium	102	0.604	"	24.2	20.6	337	75-125	High Bias			
Cobalt	85.2	0.483	"	60.4	7.91	128	75-125	High Bias			
Copper	70.8	2.42	"	30.2	20.0	168	75-125	High Bias			
Iron	28000	30.2	"	121	13400	NR	75-125	High Bias			
Lead	78.1	0.604	"	60.4	25.9	86.3	75-125				
Magnesium	8160	6.04	"	121	8730	NR	75-125	Low Bias			
Manganese	345	0.604	"	60.4	275	115	75-125				
Nickel	103	1.21	"	60.4	16.8	143	75-125	High Bias			
Potassium	6060	6.04	"	121	2500	NR	75-125	High Bias			
Selenium	189	3.02	"	242	ND	78.4	75-125				
Silver	7.74	0.604	"	6.04	1.05	111	75-125				
Sodium	389	60.4	"	121	192	163	75-125	High Bias			
Thallium	218	3.02	"	242	ND	90.3	75-125				
Vanadium	114	1.21	"	60.4	37.4	128	75-125	High Bias			
Zinc	113	3.02	"	60.4	48.7	107	75-125				

Post Spike (BA22572-PS1) Post Spike *Source sample: 22A1064-02 (047_LSB-12_18-20) Prepared: 01/27/2022 Analyzed: 01/28/2022

Aluminum	72.0		ug/mL	2.00	66.6	268	75-125	High Bias			
Antimony	0.270		"	0.250	-0.013	108	75-125				
Arsenic	2.15		"	2.00	0.037	106	75-125				
Barium	3.01		"	2.00	0.770	112	75-125				
Beryllium	0.041		"	0.0500	-0.013	81.8	75-125				
Cadmium	0.054		"	0.0500	0.002	104	75-125				
Calcium	412		"	1.00	409	278	75-125	High Bias			
Chromium	0.386		"	0.200	0.170	108	75-125				
Cobalt	0.612		"	0.500	0.065	109	75-125				
Copper	0.454		"	0.250	0.166	115	75-125				
Iron	116		"	1.00	111	499	75-125	High Bias			
Lead	0.752		"	0.500	0.215	108	75-125				
Magnesium	76.1		"	1.00	72.3	377	75-125	High Bias			
Manganese	2.82		"	0.500	2.28	108	75-125				
Nickel	0.714		"	0.500	0.139	115	75-125				
Potassium	22.1		"	1.00	20.7	139	75-125	High Bias			
Selenium	1.85		"	2.00	-0.0001	92.4	75-125				
Silver	0.058		"	0.0500	0.009	99.6	75-125				
Sodium	2.81		"	1.00	1.59	122	75-125				
Thallium	1.95		"	2.00	-0.057	97.7	75-125				
Vanadium	0.868		"	0.500	0.309	112	75-125				
Zinc	0.899		"	0.500	0.403	99.3	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22572 - EPA 3050B											
Reference (BA22572-SRM1)	Reference	Prepared: 01/27/2022 Analyzed: 01/28/2022									
Aluminum	9300	5.00	mg/kg wet	8130		114	49.9-150.1				
Antimony	92.9	2.50	"	134		69.3	19.3-250				
Arsenic	166	1.50	"	156		107	69.9-130.1				
Barium	265	2.50	"	239		111	74.9-124.7				
Beryllium	179	0.050	"	169		106	75.1-125.4				
Cadmium	144	0.300	"	137		105	75.2-124.8				
Calcium	5220	5.00	"	4760		110	72.7-127.5				
Chromium	165	0.500	"	154		107	70.1-129.9				
Cobalt	134	0.400	"	121		111	75-124.8				
Copper	61.7	2.00	"	54.9		112	74.9-125				
Iron	14200	25.0	"	14100		101	34.9-164.5				
Lead	137	0.500	"	130		106	71.8-128.5				
Magnesium	2450	5.00	"	2320		106	62.1-137.9				
Manganese	289	0.500	"	269		107	74-126.4				
Nickel	68.4	1.00	"	53.9		127	69.9-129.9				
Potassium	2130	5.00	"	2020		106	58.9-141.1				
Selenium	140	2.50	"	167		84.1	67.7-132.3				
Silver	35.2	0.500	"	33.6		105	68.5-131.3				
Sodium	147	50.0	"	133		110	35-165.4				
Thallium	112	2.50	"	112		100	67.9-131.3				
Vanadium	65.4	1.00	"	62.6		104	59.1-141.1				
Zinc	160	2.50	"	158		102	70.3-129.7				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22700 - EPA 7473 soil												
Blank (BA22700-BLK1)	Blank								Prepared & Analyzed: 01/31/2022			
Mercury	ND	0.0300	mg/kg wet									
Duplicate (BA22700-DUP1)	Duplicate	*Source sample: 22A0929-02 (Duplicate)								Prepared & Analyzed: 01/31/2022		
Mercury	ND	0.0314	mg/kg dry		ND						35	
Matrix Spike (BA22700-MS1)	Matrix Spike	*Source sample: 22A0929-02 (Matrix Spike)								Prepared & Analyzed: 01/31/2022		
Mercury	0.525		mg/kg	0.500	0.0181	101	75-125					
Reference (BA22700-SRM1)	Reference								Prepared & Analyzed: 01/31/2022			
Mercury	25.697		mg/kg	27.2		94.5	59.9-140.1					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22565 - EPA SW846-3060												
Blank (BA22565-BLK1)	Blank										Prepared & Analyzed: 01/27/2022	
Chromium, Hexavalent	ND	0.500	mg/kg wet									
Duplicate (BA22565-DUP1)	Duplicate	*Source sample: 22A1064-02 (047_LSB-12_18-20)										Prepared & Analyzed: 01/27/2022
Chromium, Hexavalent	ND	0.604	mg/kg dry		ND						35	
Matrix Spike (BA22565-MS1)	Matrix Spike	*Source sample: 22A1064-02 (047_LSB-12_18-20)										Prepared & Analyzed: 01/27/2022
Chromium, Hexavalent	25.3	0.604	mg/kg dry	24.2	ND	105	75-125					
Reference (BA22565-SRM1)	Reference										Prepared & Analyzed: 01/27/2022	
Chromium, Hexavalent	100		mg/L	109		91.7	30-169.7					
Batch BA22602 - Analysis Preparation Soil												
Blank (BA22602-BLK1)	Blank										Prepared & Analyzed: 01/28/2022	
Cyanide, total	ND	0.500	mg/kg wet									
Duplicate (BA22602-DUP1)	Duplicate	*Source sample: 22A1116-03 (Duplicate)										Prepared & Analyzed: 01/28/2022
Cyanide, total	ND	0.510	mg/kg dry		ND						15	
Matrix Spike (BA22602-MS1)	Matrix Spike	*Source sample: 22A1116-03 (Matrix Spike)										Prepared & Analyzed: 01/28/2022
Cyanide, total	7.82	0.510	mg/kg dry	10.2	ND	76.6	79.6-107	Low Bias				
Reference (BA22602-SRM1)	Reference										Prepared & Analyzed: 01/28/2022	
Cyanide, total	94.4		ug/mL	86.8		109	41.82-157.83					



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22535 - % Solids Prep

Duplicate (BA22535-DUP1)	Duplicate	*Source sample: 22A1064-02 (047 LSB-12 18-20)						Prepared & Analyzed: 01/27/2022			
% Solids	80.8	0.100	%		82.8				2.41	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22A1064-01	046_LSB-12_15-17	40mL Vial with Stir Bar-Cool 4° C
22A1064-02	047_LSB-12_18-20	40mL Vial with Stir Bar-Cool 4° C
22A1064-04	049_TB_20220126	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
S-08	The recovery of this surrogate was outside of QC limits.
M-SRD1	The serial dilution for this element was outside control limits.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
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.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

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.



Field Chain-of-Custody Record

YORK Project No.

22A1064

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

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com

www.yorklab.com

800-306-YORK

800-306-9675

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGRAN	Company:	Address: 300 Kiriball Drive	Address:	Company:	Company:	Address: Parsippany, NJ	Address:	100963701	RUSH - Next Day
Phone: 973 560 4900	Phone:	Contact: Mully Matton	Contact:	Phone:	Phone:	Contact: SKANE	Contact:	1487 First Avenue	RUSH - Two Day
E-mail: MMatton@Langran.com	E-mail:	YOUR Project Name							

Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD		Compared to the following Regulation(s): (please fill in)	
GW - groundwater	New Jersey	QA Report	CT RCP DQ/DUE	EQULS (Standard)			
DW - drinking water	Connecticut	NY ASP A Package	NUDEP Reduced	NYSDEC EQULS			
WW - wastewater	Pennsylvania	NY ASP B Package	Deliverables	NUDEP SRP HazSite			
O - Oil	Other:		NJDKQP	Other:			

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
046-LSB-12-15-17	S	12/22 0930	NYSDEC Part 315 VOLs, SVOLs, PCBs.	
047-LSB-12-16-20	↓	0945	pesticides, herbicides, TAL-Metals,	
048-LSB-12-20-22	↓	0955	hex, chromium, total cyanide, PESTs, 14 elements, Hald 048	
049-TB-20220126	ACQ			

Comments: * 30 day TAT

Hold Sample 048-LSB-12-20-22

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

1. Samples Received by / Company		2. Samples Relinquished by / Company	
Morgan Mubride (Langran)	11/20/22	Mel M York Poles	1-24-22
3. Samples Received by / Company		3. Samples Received by / Company	
J. H. M. York	1-20-22		
4. Samples Received by / Company		4. Samples Received in LAB by	
		J. H. M. York	1/26/22 2100



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/01/2022

Client Project ID: 100963701

York Project (SDG) No.: 22A1148



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: 02/01/2022
Client Project ID: 100963701
York Project (SDG) No.: 22A1148

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 27, 2022 and listed below. The project was identified as your project: **100963701**.

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>
22A1148-01	050_MW05	Water	01/27/2022	01/27/2022
22A1148-02	051_DUP-3	Water	01/27/2022	01/27/2022
22A1148-03	052_TB_20220127	Water	01/27/2022	01/27/2022
22A1148-04	053_FB_20220127	Water	01/27/2022	01/27/2022

General Notes for York Project (SDG) No.: 22A1148

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: 02/01/2022





Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 9:33 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-35-4	1,1-Dichloroethylene	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 17:11	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
67-64-1	Acetone	3.61		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
67-66-3	Chloroform	0.980		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	43.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 9:33 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	24.5		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
156-60-5	trans-1,2-Dichloroethylene	0.300		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
79-01-6	Trichloroethylene	47.2		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
75-01-4	Vinyl Chloride	0.300		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:11	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 17:11	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.0 %			79-122						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:13	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	36.0 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	18.6 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.6 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	78.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	94.6 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.9 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH





Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
86-73-7	Fluorene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 11:46	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH
129-00-0	Pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 11:46	KH

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	20.1	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-39-3	Barium	0.283		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-70-2	Calcium	275	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-47-3	Chromium	0.0794		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-48-4	Cobalt	0.0348		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-50-8	Copper	0.0838		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7439-89-6	Iron	34.1		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 9:33 am	<u>Date Received</u> 01/27/2022
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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
7439-92-1	Lead	0.0258	B	mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7439-95-4	Magnesium	96.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7439-96-5	Manganese	5.65		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-02-0	Nickel	0.0945		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-09-7	Potassium	28.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-23-5	Sodium	130		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-62-2	Vanadium	0.0487		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH
7440-66-6	Zinc	0.204		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:21	RTH

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,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:42	BML
7440-38-2	Arsenic	0.00407		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:42	BML
7440-41-7	Beryllium	0.000587		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:42	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:42	BML
7782-49-2	Selenium	0.0231		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:42	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:42	BML

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,NELAC-NY10854,NJDEP,PADEP	01/27/2022 20:02	01/27/2022 20:02	AA



Sample Information

Client Sample ID: 050_MW05

York Sample ID: 22A1148-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 9:33 am

01/27/2022



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-35-4	1,1-Dichloroethylene	0.540		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 17:36	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 10:15 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
67-64-1	Acetone	1.52		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 10:15 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	101		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	60.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
156-60-5	trans-1,2-Dichloroethylene	0.580		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
79-01-6	Trichloroethylene	112		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
75-01-4	Vinyl Chloride	0.750		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 17:36	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 17:36	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	99.1 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.3 %			79-122						

Semivolatiles, 8270 Comprehensive

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 10:15 am

01/27/2022

Semivolatiles, 8270 Comprehensive

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Semivolatiles, 8270 Comprehensive

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		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
65-85-0	Benzoic acid	5.28		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 16:35	KH



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 10:15 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for N-Nitrosodiphenylamine, Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Acenaphthene, Acenaphthylene, Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, Chrysene, and Dibenzo(a,h)anthracene.



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Semivolatiles, 8270 Comprehensive

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	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 15:42	KH
86-73-7	Fluorene	0.297		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 15:42	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 15:42	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 15:42	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 15:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 15:42	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 15:42	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 15:42	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 15:42	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 15:42	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 15:42	KH
129-00-0	Pyrene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 15:42	KH

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	34.6	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-39-3	Barium	0.498		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-70-2	Calcium	243	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-47-3	Chromium	0.146		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-48-4	Cobalt	0.0531		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-50-8	Copper	0.158		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7439-89-6	Iron	61.0		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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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
7439-92-1	Lead	0.0456	B	mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7439-95-4	Magnesium	104		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7439-96-5	Manganese	6.06		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-02-0	Nickel	0.146		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-09-7	Potassium	34.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-23-5	Sodium	112		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-62-2	Vanadium	0.0903		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH
7440-66-6	Zinc	0.357		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:23	RTH

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,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:45	BML
7440-38-2	Arsenic	0.00691		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:45	BML
7440-41-7	Beryllium	0.000975		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:45	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:45	BML
7782-49-2	Selenium	0.0303		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:45	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:45	BML

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,NELAC-NY10854,NJDEP,PADEP	01/27/2022 20:02	01/27/2022 20:02	AA



Sample Information

Client Sample ID: 051_DUP-3

York Sample ID: 22A1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 10:15 am

01/27/2022



Sample Information

Client Sample ID: 052_TB_20220127

York Sample ID: 22A1148-03

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 15:32	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG



Sample Information

Client Sample ID: 052_TB_20220127

York Sample ID: 22A1148-03

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG



Sample Information

Client Sample ID: 052_TB_20220127

York Sample ID: 22A1148-03

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 10:15 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-09-2	Methylene chloride	1.09		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG



Sample Information

Client Sample ID: 052_TB_20220127

York Sample ID: 22A1148-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1148

100963701

Water

January 27, 2022 10:15 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:32	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 15:32	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122





Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

<u>York Project (SDG) No.</u> 22A1148	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 27, 2022 9:28 am	<u>Date Received</u> 01/27/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 15:57	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG



Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

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22A1148

100963701

Water

January 27, 2022 9:28 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG



Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

Client Project ID

Matrix

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22A1148

100963701

Water

January 27, 2022 9:28 am

01/27/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG



Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

Client Project ID

Matrix

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22A1148

100963701

Water

January 27, 2022 9:28 am

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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/28/2022 06:42	01/28/2022 15:57	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/28/2022 06:42	01/28/2022 15:57	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			79-122						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH





Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

Client Project ID

Matrix

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22A1148

100963701

Water

January 27, 2022 9:28 am

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of data for various chemical parameters, all showing ND results.



Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

Client Project ID

Matrix

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22A1148

100963701

Water

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH



Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

Client Project ID

Matrix

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22A1148

100963701

Water

January 27, 2022 9:28 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	02/01/2022 00:44	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	32.6 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	17.8 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	89.4 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH



Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

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100963701

Water

January 27, 2022 9:28 am

01/27/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	01/28/2022 06:55	01/31/2022 12:54	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH
129-00-0	Pyrene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/28/2022 06:55	01/31/2022 12:54	KH

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,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-70-2	Calcium	0.337	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH





Sample Information

Client Sample ID: 053_FB_20220127

York Sample ID: 22A1148-04

York Project (SDG) No.

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Matrix

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22A1148

100963701

Water

January 27, 2022 9:28 am

01/27/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-09-7	Potassium	0.0983		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 09:26	02/01/2022 14:25	RTH

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,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:48	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:48	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:48	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:48	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:48	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/31/2022 09:46	01/31/2022 14:48	BML

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,NELAC-NY10854,NJDEP,PADEP	01/27/2022 20:02	01/27/2022 20:02	AA





Analytical Batch Summary

Batch ID: BA22590 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22A1148-01	050_MW05	01/27/22
22A1148-02	051_DUP-3	01/27/22
22A1148-04	053_FB_20220127	01/27/22
BA22590-BLK1	Blank	01/27/22
BA22590-BS1	LCS	01/27/22
BA22590-DUP1	Duplicate	01/27/22
BA22590-MS1	Matrix Spike	01/27/22

Batch ID: BA22596 **Preparation Method:** EPA 3510C **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
22A1148-01	050_MW05	01/28/22
22A1148-02	051_DUP-3	01/28/22
22A1148-04	053_FB_20220127	01/28/22
BA22596-BLK1	Blank	01/28/22
BA22596-BS1	LCS	01/28/22
BA22596-BS2	LCS	01/28/22
BA22596-BSD1	LCS Dup	01/28/22

Batch ID: BA22663 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22A1148-01	050_MW05	01/28/22
22A1148-02	051_DUP-3	01/28/22
22A1148-03	052_TB_20220127	01/28/22
22A1148-04	053_FB_20220127	01/28/22
BA22663-BLK1	Blank	01/28/22
BA22663-BS1	LCS	01/28/22
BA22663-BSD1	LCS Dup	01/28/22
BA22663-MS1	Matrix Spike	01/28/22
BA22663-MSD1	Matrix Spike Dup	01/28/22

Batch ID: BA22692 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A1148-01	050_MW05	01/31/22
22A1148-02	051_DUP-3	01/31/22
22A1148-04	053_FB_20220127	01/31/22
BA22692-BLK1	Blank	01/31/22
BA22692-BS1	LCS	01/31/22
BA22692-DUP1	Duplicate	01/31/22
BA22692-MS1	Matrix Spike	01/31/22



Batch ID: BB21166

Preparation Method: EPA 3015A

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
22A1148-01	050_MW05	02/01/22
22A1148-02	051_DUP-3	02/01/22
22A1148-04	053_FB_20220127	02/01/22
BB21166-BLK1	Blank	02/01/22
BB21166-BS1	LCS	02/01/22
BB21166-DUP1	Duplicate	02/01/22
BB21166-MS1	Matrix Spike	02/01/22
BB21166-PS1	Post Spike	02/01/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22663 - EPA 5030B

Blank (BA22663-BLK1)	Blank	Prepared & Analyzed: 01/28/2022									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22663 - EPA 5030B

Blank (BA22663-BLK1) Blank

Prepared & Analyzed: 01/28/2022

Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BA22663 - EPA 5030B											
LCS (BA22663-BS1)	LCS									Prepared & Analyzed: 01/28/2022	
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107		82-126			
1,1,1-Trichloroethane	10.0		"	10.0		100		78-136			
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.76		"	10.0		97.6		54-165			
1,1,2-Trichloroethane	10.2		"	10.0		102		82-123			
1,1-Dichloroethane	10.1		"	10.0		101		82-129			
1,1-Dichloroethylene	9.74		"	10.0		97.4		68-138			
1,1-Dichloropropylene	9.47		"	10.0		94.7		83-133			
1,2,3-Trichlorobenzene	7.88		"	10.0		78.8		76-136			
1,2,3-Trichloropropane	10.1		"	10.0		101		77-128			
1,2,4-Trichlorobenzene	7.97		"	10.0		79.7		76-137			
1,2,4-Trimethylbenzene	10.9		"	10.0		109		82-132			
1,2-Dibromo-3-chloropropane	8.99		"	10.0		89.9		45-147			
1,2-Dibromoethane	9.95		"	10.0		99.5		83-124			
1,2-Dichlorobenzene	10.5		"	10.0		105		79-123			
1,2-Dichloroethane	10.6		"	10.0		106		73-132			
1,2-Dichloropropane	10.7		"	10.0		107		78-126			
1,3,5-Trimethylbenzene	11.0		"	10.0		110		80-131			
1,3-Dichlorobenzene	9.85		"	10.0		98.5		86-122			
1,3-Dichloropropane	10.1		"	10.0		101		81-125			
1,4-Dichlorobenzene	9.95		"	10.0		99.5		85-124			
1,4-Dioxane	213		"	210		102		10-349			
2,2-Dichloropropane	10.8		"	10.0		108		56-150			
2-Butanone	11.0		"	10.0		110		49-152			
2-Chlorotoluene	10.5		"	10.0		105		79-130			
2-Hexanone	7.79		"	10.0		77.9		51-146			
4-Chlorotoluene	11.0		"	10.0		110		79-128			
4-Methyl-2-pentanone	8.38		"	10.0		83.8		57-145			
Acetone	9.30		"	10.0		93.0		14-150			
Acrolein	6.65		"	10.0		66.5		10-153			
Acrylonitrile	10.4		"	10.0		104		51-150			
Benzene	10.9		"	10.0		109		85-126			
Bromobenzene	9.95		"	10.0		99.5		78-129			
Bromochloromethane	11.1		"	10.0		111		77-128			
Bromodichloromethane	10.3		"	10.0		103		79-128			
Bromoform	7.89		"	10.0		78.9		78-133			
Bromomethane	7.84		"	10.0		78.4		43-168			
Carbon disulfide	10.3		"	10.0		103		68-146			
Carbon tetrachloride	10.2		"	10.0		102		77-141			
Chlorobenzene	10.9		"	10.0		109		88-120			
Chloroethane	11.3		"	10.0		113		65-136			
Chloroform	10.4		"	10.0		104		82-128			
Chloromethane	9.49		"	10.0		94.9		43-155			
cis-1,2-Dichloroethylene	10.4		"	10.0		104		83-129			
cis-1,3-Dichloropropylene	8.62		"	10.0		86.2		80-131			
Cyclohexane	6.69		"	10.0		66.9		63-149			
Dibromochloromethane	8.03		"	10.0		80.3		80-130			
Dibromomethane	9.97		"	10.0		99.7		72-134			
Dichlorodifluoromethane	11.5		"	10.0		115		44-144			
Ethyl Benzene	9.09		"	10.0		90.9		80-131			
Hexachlorobutadiene	6.91		"	10.0		69.1		67-146			





Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22663 - EPA 5030B											
LCS (BA22663-BS1)	LCS										Prepared & Analyzed: 01/28/2022
Isopropylbenzene	11.6		ug/L	10.0		116	76-140				
Methyl acetate	9.43		"	10.0		94.3	51-139				
Methyl tert-butyl ether (MTBE)	9.50		"	10.0		95.0	76-135				
Methylcyclohexane	9.14		"	10.0		91.4	72-143				
Methylene chloride	9.93		"	10.0		99.3	55-137				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	11.7		"	10.0		117	78-133				
o-Xylene	11.6		"	10.0		116	78-130				
p- & m- Xylenes	19.1		"	20.0		95.6	77-133				
p-Isopropyltoluene	10.9		"	10.0		109	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	7.91		"	10.0		79.1	67-132				
tert-Butyl alcohol (TBA)	46.9		"	50.0		93.7	25-162				
tert-Butylbenzene	9.23		"	10.0		92.3	77-138				
Tetrachloroethylene	9.71		"	10.0		97.1	82-131				
Toluene	11.2		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	8.35		"	10.0		83.5	78-131				
Trichloroethylene	10.0		"	10.0		100	82-128				
Trichlorofluoromethane	11.6		"	10.0		116	67-139				
Vinyl acetate	16.9		"	10.0		169	21-90	High Bias			
Vinyl Chloride	11.0		"	10.0		110	58-145				
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	9.83		"	10.0		98.3	69-130				
<i>Surrogate: SURRE: Toluene-d8</i>	9.97		"	10.0		99.7	81-117				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	9.82		"	10.0		98.2	79-122				
LCS Dup (BA22663-BSD1)	LCS Dup										Prepared & Analyzed: 01/28/2022
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		1.95	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		6.84	30	
1,1,2,2-Tetrachloroethane	9.70		"	10.0		97.0	76-129		6.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165		6.73	30	
1,1,2-Trichloroethane	9.52		"	10.0		95.2	82-123		6.50	30	
1,1-Dichloroethane	10.7		"	10.0		107	82-129		6.35	30	
1,1-Dichloroethylene	10.3		"	10.0		103	68-138		5.78	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		8.49	30	
1,2,3-Trichlorobenzene	7.56		"	10.0		75.6	76-136	Low Bias	4.15	30	
1,2,3-Trichloropropane	9.63		"	10.0		96.3	77-128		4.76	30	
1,2,4-Trichlorobenzene	7.81		"	10.0		78.1	76-137		2.03	30	
1,2,4-Trimethylbenzene	11.9		"	10.0		119	82-132		8.59	30	
1,2-Dibromo-3-chloropropane	8.28		"	10.0		82.8	45-147		8.22	30	
1,2-Dibromoethane	9.38		"	10.0		93.8	83-124		5.90	30	
1,2-Dichlorobenzene	10.7		"	10.0		107	79-123		2.26	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		3.65	30	
1,2-Dichloropropane	11.0		"	10.0		110	78-126		3.03	30	
1,3,5-Trimethylbenzene	12.2		"	10.0		122	80-131		9.89	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122		5.82	30	
1,3-Dichloropropane	9.67		"	10.0		96.7	81-125		4.65	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124		4.52	30	
1,4-Dioxane	165		"	210		78.6	10-349		25.5	30	
2,2-Dichloropropane	11.8		"	10.0		118	56-150		8.80	30	
2-Butanone	9.19		"	10.0		91.9	49-152		18.4	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22663 - EPA 5030B											
LCS Dup (BA22663-BSD1)	LCS Dup	Prepared & Analyzed: 01/28/2022									
2-Chlorotoluene	11.4		ug/L	10.0		114	79-130		8.76	30	
2-Hexanone	6.57		"	10.0		65.7	51-146		17.0	30	
4-Chlorotoluene	11.8		"	10.0		118	79-128		6.76	30	
4-Methyl-2-pentanone	7.31		"	10.0		73.1	57-145		13.6	30	
Acetone	7.93		"	10.0		79.3	14-150		15.9	30	
Acrolein	6.22		"	10.0		62.2	10-153		6.68	30	
Acrylonitrile	9.26		"	10.0		92.6	51-150		11.7	30	
Benzene	11.5		"	10.0		115	85-126		5.16	30	
Bromobenzene	10.3		"	10.0		103	78-129		3.55	30	
Bromochloromethane	10.8		"	10.0		108	77-128		2.91	30	
Bromodichloromethane	10.4		"	10.0		104	79-128		0.772	30	
Bromoform	7.16		"	10.0		71.6	78-133	Low Bias	9.70	30	
Bromomethane	8.43		"	10.0		84.3	43-168		7.25	30	
Carbon disulfide	11.2		"	10.0		112	68-146		8.62	30	
Carbon tetrachloride	11.1		"	10.0		111	77-141		8.18	30	
Chlorobenzene	11.4		"	10.0		114	88-120		4.41	30	
Chloroethane	12.1		"	10.0		121	65-136		7.19	30	
Chloroform	10.9		"	10.0		109	82-128		4.40	30	
Chloromethane	10.2		"	10.0		102	43-155		6.82	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		5.24	30	
cis-1,3-Dichloropropylene	8.63		"	10.0		86.3	80-131		0.116	30	
Cyclohexane	7.24		"	10.0		72.4	63-149		7.90	30	
Dibromochloromethane	7.75		"	10.0		77.5	80-130	Low Bias	3.55	30	
Dibromomethane	9.58		"	10.0		95.8	72-134		3.99	30	
Dichlorodifluoromethane	12.1		"	10.0		121	44-144		4.75	30	
Ethyl Benzene	9.78		"	10.0		97.8	80-131		7.31	30	
Hexachlorobutadiene	7.13		"	10.0		71.3	67-146		3.13	30	
Isopropylbenzene	13.0		"	10.0		130	76-140		11.5	30	
Methyl acetate	8.31		"	10.0		83.1	51-139		12.6	30	
Methyl tert-butyl ether (MTBE)	8.56		"	10.0		85.6	76-135		10.4	30	
Methylcyclohexane	9.93		"	10.0		99.3	72-143		8.29	30	
Methylene chloride	9.92		"	10.0		99.2	55-137		0.101	30	
n-Butylbenzene	11.7		"	10.0		117	79-132		10.1	30	
n-Propylbenzene	13.0		"	10.0		130	78-133		10.5	30	
o-Xylene	12.1		"	10.0		121	78-130		4.38	30	
p- & m- Xylenes	20.6		"	20.0		103	77-133		7.41	30	
p-Isopropyltoluene	11.9		"	10.0		119	81-136		8.76	30	
sec-Butylbenzene	12.1		"	10.0		121	79-137		9.94	30	
Styrene	8.32		"	10.0		83.2	67-132		5.05	30	
tert-Butyl alcohol (TBA)	35.0		"	50.0		70.1	25-162		28.9	30	
tert-Butylbenzene	10.0		"	10.0		100	77-138		8.51	30	
Tetrachloroethylene	10.7		"	10.0		107	82-131		9.33	30	
Toluene	11.9		"	10.0		119	80-127		6.06	30	
trans-1,2-Dichloroethylene	10.9		"	10.0		109	80-132		4.97	30	
trans-1,3-Dichloropropylene	8.05		"	10.0		80.5	78-131		3.66	30	
Trichloroethylene	10.8		"	10.0		108	82-128		7.22	30	
Trichlorofluoromethane	12.4		"	10.0		124	67-139		6.34	30	
Vinyl acetate	16.5		"	10.0		165	21-90	High Bias	2.22	30	
Vinyl Chloride	12.0		"	10.0		120	58-145		8.18	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	9.23		"	10.0		92.3	69-130				
Surrogate: Surr: Toluene-d8	10.1		"	10.0		101	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22663 - EPA 5030B

LCS Dup (BA22663-BSD1) LCS Dup

Prepared & Analyzed: 01/28/2022

Surrogate: SURR: p-Bromofluorobenzene 9.88 ug/L 10.0 98.8 79-122

Matrix Spike (BA22663-MS1) Matrix Spike

*Source sample: 22A1063-02 (Matrix Spike)

Prepared & Analyzed: 01/28/2022

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0	0.00	109	45-161				
1,1,1-Trichloroethane	11.0		"	10.0	0.00	110	70-146				
1,1,2,2-Tetrachloroethane	11.4		"	10.0	0.00	114	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0	0.00	110	21-217				
1,1,2-Trichloroethane	10.7		"	10.0	0.00	107	59-146				
1,1-Dichloroethane	10.6		"	10.0	0.00	106	54-146				
1,1-Dichloroethylene	10.9		"	10.0	0.00	109	44-165				
1,1-Dichloropropylene	10.1		"	10.0	0.00	101	82-134				
1,2,3-Trichlorobenzene	6.80		"	10.0	0.00	68.0	40-161				
1,2,3-Trichloropropane	9.89		"	10.0	0.00	98.9	74-127				
1,2,4-Trichlorobenzene	6.71		"	10.0	0.00	67.1	41-161				
1,2,4-Trimethylbenzene	10.2		"	10.0	0.00	102	72-129				
1,2-Dibromo-3-chloropropane	8.35		"	10.0	0.00	83.5	31-151				
1,2-Dibromoethane	9.95		"	10.0	0.00	99.5	75-125				
1,2-Dichlorobenzene	9.89		"	10.0	0.00	98.9	63-122				
1,2-Dichloroethane	11.3		"	10.0	0.00	113	68-131				
1,2-Dichloropropane	11.3		"	10.0	0.00	113	77-121				
1,3,5-Trimethylbenzene	10.5		"	10.0	0.00	105	69-126				
1,3-Dichlorobenzene	8.95		"	10.0	0.00	89.5	74-119				
1,3-Dichloropropane	10.7		"	10.0	0.00	107	77-119				
1,4-Dichlorobenzene	9.18		"	10.0	0.00	91.8	70-124				
1,4-Dioxane	167		"	210	0.00	79.7	10-310				
2,2-Dichloropropane	10.8		"	10.0	0.00	108	10-160				
2-Butanone	10.1		"	10.0	0.00	101	10-193				
2-Chlorotoluene	10.1		"	10.0	0.00	101	70-126				
2-Hexanone	7.55		"	10.0	0.00	75.5	53-133				
4-Chlorotoluene	10.5		"	10.0	0.00	105	69-124				
4-Methyl-2-pentanone	7.73		"	10.0	0.00	77.3	38-150				
Acetone	11.7		"	10.0	1.22	104	13-149				
Acrolein	6.62		"	10.0	0.00	66.2	10-195				
Acrylonitrile	9.86		"	10.0	0.00	98.6	37-165				
Benzene	11.6		"	10.0	0.00	116	38-155				
Bromobenzene	9.93		"	10.0	0.00	99.3	72-122				
Bromochloromethane	11.9		"	10.0	0.00	119	75-121				
Bromodichloromethane	10.6		"	10.0	0.00	106	70-129				
Bromoform	7.76		"	10.0	0.00	77.6	66-136				
Bromomethane	7.26		"	10.0	0.00	72.6	30-158				
Carbon disulfide	11.2		"	10.0	0.00	112	10-138				
Carbon tetrachloride	11.5		"	10.0	0.00	115	71-146				
Chlorobenzene	11.2		"	10.0	0.00	112	81-117				
Chloroethane	12.0		"	10.0	0.00	120	51-145				
Chloroform	11.6		"	10.0	0.430	111	80-124				
Chloromethane	9.41		"	10.0	0.00	94.1	16-163				
cis-1,2-Dichloroethylene	11.2		"	10.0	0.230	109	76-125				
cis-1,3-Dichloropropylene	8.10		"	10.0	0.00	81.0	58-131				
Cyclohexane	7.51		"	10.0	0.00	75.1	70-130				
Dibromochloromethane	8.08		"	10.0	0.00	80.8	71-129				
Dibromomethane	10.6		"	10.0	0.00	106	76-120				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22663 - EPA 5030B

Matrix Spike (BA22663-MS1)	Matrix Spike	*Source sample: 22A1063-02 (Matrix Spike)					Prepared & Analyzed: 01/28/2022					
Dichlorodifluoromethane	10.7		ug/L	10.0	0.00	107	30-147					
Ethyl Benzene	9.66		"	10.0	0.00	96.6	72-128					
Hexachlorobutadiene	6.37		"	10.0	0.00	63.7	34-166					
Isopropylbenzene	10.2		"	10.0	0.00	102	66-139					
Methyl acetate	8.97		"	10.0	0.00	89.7	10-200					
Methyl tert-butyl ether (MTBE)	9.25		"	10.0	0.260	89.9	75-128					
Methylcyclohexane	9.69		"	10.0	0.00	96.9	70-130					
Methylene chloride	10.9		"	10.0	0.370	105	57-128					
n-Butylbenzene	9.10		"	10.0	0.00	91.0	61-138					
n-Propylbenzene	11.5		"	10.0	0.00	115	66-134					
o-Xylene	12.0		"	10.0	0.00	120	69-126					
p- & m- Xylenes	20.3		"	20.0	0.00	101	67-130					
p-Isopropyltoluene	9.89		"	10.0	0.00	98.9	64-137					
sec-Butylbenzene	10.3		"	10.0	0.00	103	53-155					
Styrene	8.45		"	10.0	0.00	84.5	69-125					
tert-Butyl alcohol (TBA)	42.4		"	50.0	0.00	84.9	10-130					
tert-Butylbenzene	8.61		"	10.0	0.00	86.1	65-139					
Tetrachloroethylene	10.4		"	10.0	0.00	104	64-139					
Toluene	11.8		"	10.0	0.00	118	76-123					
trans-1,2-Dichloroethylene	11.2		"	10.0	0.00	112	79-131					
trans-1,3-Dichloropropylene	8.11		"	10.0	0.00	81.1	55-130					
Trichloroethylene	12.1		"	10.0	1.54	105	53-145					
Trichlorofluoromethane	14.3		"	10.0	0.00	143	61-142			High Bias		
Vinyl acetate	17.2		"	10.0	0.00	172	10-87			High Bias		
Vinyl Chloride	11.9		"	10.0	0.00	119	31-165					
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Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130					
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117					
Surrogate: SURR: p-Bromofluorobenzene	8.61		"	10.0		86.1	79-122					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22663 - EPA 5030B											
Matrix Spike Dup (BA22663-1) Matrix Spike Dup						Source sample: 22A1063-02 (Matrix Spike Dup)					
						Prepared & Analyzed: 01/28/2022					
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0	0.00	110	45-161		1.00	30	
1,1,1-Trichloroethane	11.2		"	10.0	0.00	112	70-146		1.90	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0	0.00	114	74-121		0.790	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0	0.00	112	21-217		2.43	30	
1,1,2-Trichloroethane	10.8		"	10.0	0.00	108	59-146		1.21	30	
1,1-Dichloroethane	10.9		"	10.0	0.00	109	54-146		2.51	30	
1,1-Dichloroethylene	11.5		"	10.0	0.00	115	44-165		5.98	30	
1,1-Dichloropropylene	10.4		"	10.0	0.00	104	82-134		2.34	30	
1,2,3-Trichlorobenzene	7.01		"	10.0	0.00	70.1	40-161		3.04	30	
1,2,3-Trichloropropane	10.2		"	10.0	0.00	102	74-127		3.28	30	
1,2,4-Trichlorobenzene	6.93		"	10.0	0.00	69.3	41-161		3.23	30	
1,2,4-Trimethylbenzene	10.5		"	10.0	0.00	105	72-129		2.71	30	
1,2-Dibromo-3-chloropropane	8.41		"	10.0	0.00	84.1	31-151		0.716	30	
1,2-Dibromoethane	10.3		"	10.0	0.00	103	75-125		3.65	30	
1,2-Dichlorobenzene	9.99		"	10.0	0.00	99.9	63-122		1.01	30	
1,2-Dichloroethane	11.2		"	10.0	0.00	112	68-131		1.06	30	
1,2-Dichloropropane	11.5		"	10.0	0.00	115	77-121		1.58	30	
1,3,5-Trimethylbenzene	9.94		"	10.0	0.00	99.4	69-126		5.10	30	
1,3-Dichlorobenzene	9.34		"	10.0	0.00	93.4	74-119		4.26	30	
1,3-Dichloropropane	10.8		"	10.0	0.00	108	77-119		0.560	30	
1,4-Dichlorobenzene	9.57		"	10.0	0.00	95.7	70-124		4.16	30	
1,4-Dioxane	271		"	210	0.00	129	10-310		47.4	30	Non-dir.
2,2-Dichloropropane	11.0		"	10.0	0.00	110	10-160		2.01	30	
2-Butanone	11.2		"	10.0	0.00	112	10-193		10.5	30	
2-Chlorotoluene	10.4		"	10.0	0.00	104	70-126		3.22	30	
2-Hexanone	8.06		"	10.0	0.00	80.6	53-133		6.53	30	
4-Chlorotoluene	10.7		"	10.0	0.00	107	69-124		1.23	30	
4-Methyl-2-pentanone	8.31		"	10.0	0.00	83.1	38-150		7.23	30	
Acetone	12.0		"	10.0	1.22	108	13-149		2.79	30	
Acrolein	7.02		"	10.0	0.00	70.2	10-195		5.87	30	
Acrylonitrile	10.5		"	10.0	0.00	105	37-165		6.29	30	
Benzene	11.7		"	10.0	0.00	117	38-155		0.857	30	
Bromobenzene	9.99		"	10.0	0.00	99.9	72-122		0.602	30	
Bromochloromethane	11.7		"	10.0	0.00	117	75-121		1.10	30	
Bromodichloromethane	10.9		"	10.0	0.00	109	70-129		2.23	30	
Bromoform	7.91		"	10.0	0.00	79.1	66-136		1.91	30	
Bromomethane	8.82		"	10.0	0.00	88.2	30-158		19.4	30	
Carbon disulfide	11.5		"	10.0	0.00	115	10-138		1.94	30	
Carbon tetrachloride	11.6		"	10.0	0.00	116	71-146		0.864	30	
Chlorobenzene	11.3		"	10.0	0.00	113	81-117		0.888	30	
Chloroethane	12.5		"	10.0	0.00	125	51-145		4.32	30	
Chloroform	11.6		"	10.0	0.430	112	80-124		0.604	30	
Chloromethane	10.0		"	10.0	0.00	100	16-163		6.28	30	
cis-1,2-Dichloroethylene	11.4		"	10.0	0.230	112	76-125		2.04	30	
cis-1,3-Dichloropropylene	8.57		"	10.0	0.00	85.7	58-131		5.64	30	
Cyclohexane	7.80		"	10.0	0.00	78.0	70-130		3.79	30	
Dibromochloromethane	8.31		"	10.0	0.00	83.1	71-129		2.81	30	
Dibromomethane	10.6		"	10.0	0.00	106	76-120		0.283	30	
Dichlorodifluoromethane	11.3		"	10.0	0.00	113	30-147		5.71	30	
Ethyl Benzene	9.80		"	10.0	0.00	98.0	72-128		1.44	30	
Hexachlorobutadiene	6.37		"	10.0	0.00	63.7	34-166		0.00	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	Limits	Flag	RPD	RPD Limit	Flag
Batch BA22663 - EPA 5030B											
Matrix Spike Dup (BA22663-1 Matrix Spike Dup)						Source sample: 22A1063-02 (Matrix Spike Dup)					
						Prepared & Analyzed: 01/28/2022					
Isopropylbenzene	10.9		ug/L	10.0	0.00	109	66-139		6.06	30	
Methyl acetate	9.61		"	10.0	0.00	96.1	10-200		6.89	30	
Methyl tert-butyl ether (MTBE)	9.96		"	10.0	0.260	97.0	75-128		7.39	30	
Methylcyclohexane	10.2		"	10.0	0.00	102	70-130		4.83	30	
Methylene chloride	10.9		"	10.0	0.370	105	57-128		0.276	30	
n-Butylbenzene	9.50		"	10.0	0.00	95.0	61-138		4.30	30	
n-Propylbenzene	11.8		"	10.0	0.00	118	66-134		2.84	30	
o-Xylene	12.2		"	10.0	0.00	122	69-126		1.81	30	
p- & m- Xylenes	20.6		"	20.0	0.00	103	67-130		1.47	30	
p-Isopropyltoluene	10.5		"	10.0	0.00	105	64-137		6.08	30	
sec-Butylbenzene	10.7		"	10.0	0.00	107	53-155		3.80	30	
Styrene	8.50		"	10.0	0.00	85.0	69-125		0.590	30	
tert-Butyl alcohol (TBA)	53.2		"	50.0	0.00	106	10-130		22.5	30	
tert-Butylbenzene	9.01		"	10.0	0.00	90.1	65-139		4.54	30	
Tetrachloroethylene	10.8		"	10.0	0.00	108	64-139		3.98	30	
Toluene	12.0		"	10.0	0.00	120	76-123		1.60	30	
trans-1,2-Dichloroethylene	11.4		"	10.0	0.00	114	79-131		1.24	30	
trans-1,3-Dichloropropylene	8.50		"	10.0	0.00	85.0	55-130		4.70	30	
Trichloroethylene	12.6		"	10.0	1.54	110	53-145		4.14	30	
Trichlorofluoromethane	14.2		"	10.0	0.00	142	61-142		1.19	30	
Vinyl acetate	17.5		"	10.0	0.00	175	10-87	High Bias	1.61	30	
Vinyl Chloride	12.5		"	10.0	0.00	125	31-165		5.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	8.95		"	10.0		89.5	79-122				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22596 - EPA 3510C

Blank (BA22596-BLK1) Blank Prepared: 01/28/2022 Analyzed: 01/31/2022

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22596 - EPA 3510C											
Blank (BA22596-BLK1)		Blank								Prepared: 01/28/2022 Analyzed: 01/31/2022	
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	20.8		"	50.0		41.6	19.7-63.1				
<i>Surrogate: SURR: Phenol-d5</i>	12.6		"	50.0		25.2	10.1-41.7				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	25.1		"	25.0		100	50.2-113				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	23.6		"	25.0		94.4	39.9-105				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	57.7		"	50.0		115	39.3-151				
<i>Surrogate: SURR: Terphenyl-d14</i>	28.4		"	25.0		114	30.7-106				
LCS (BA22596-BS1)		LCS								Prepared: 01/28/2022 Analyzed: 01/31/2022	
1,1-Biphenyl	21.2	5.00	ug/L	25.0		84.6	33-95				
1,2,4,5-Tetrachlorobenzene	20.7	5.00	"	25.0		82.6	26-120				
1,2,4-Trichlorobenzene	19.3	5.00	"	25.0		77.3	20-118				
1,2-Dichlorobenzene	18.6	5.00	"	25.0		74.6	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	19.5	5.00	"	25.0		77.8	16-141				
1,3-Dichlorobenzene	17.4	5.00	"	25.0		69.5	23-117				
1,4-Dichlorobenzene	18.5	5.00	"	25.0		74.0	30-105				
2,3,4,6-Tetrachlorophenol	24.5	5.00	"	25.0		98.0	30-130				
2,4,5-Trichlorophenol	23.7	5.00	"	25.0		94.9	32-114				
2,4,6-Trichlorophenol	23.7	5.00	"	25.0		94.7	35-118				
2,4-Dichlorophenol	24.2	5.00	"	25.0		96.7	25-116				
2,4-Dimethylphenol	17.3	5.00	"	25.0		69.2	15-116				
2,4-Dinitrophenol	25.2	5.00	"	25.0		101	10-170				
2,4-Dinitrotoluene	23.6	5.00	"	25.0		94.5	41-128				
2,6-Dinitrotoluene	25.1	5.00	"	25.0		101	45-116				
2-Chloronaphthalene	21.7	5.00	"	25.0		86.9	33-112				
2-Chlorophenol	17.4	5.00	"	25.0		69.7	15-120				
2-Methylnaphthalene	20.8	5.00	"	25.0		83.2	24-118				
2-Methylphenol	14.5	5.00	"	25.0		58.0	10-110				
2-Nitroaniline	23.5	5.00	"	25.0		94.1	34-129				
2-Nitrophenol	24.2	5.00	"	25.0		96.9	28-118				
3- & 4-Methylphenols	11.4	5.00	"	25.0		45.5	10-107				
3,3-Dichlorobenzidine	24.2	5.00	"	25.0		97.0	15-187				
3-Nitroaniline	16.9	5.00	"	25.0		67.8	24-134				
4,6-Dinitro-2-methylphenol	22.6	5.00	"	25.0		90.2	10-153				
4-Bromophenyl phenyl ether	22.0	5.00	"	25.0		87.9	34-120				
4-Chloro-3-methylphenol	21.9	5.00	"	25.0		87.5	20-120				
4-Chloroaniline	11.7	5.00	"	25.0		46.9	10-147				
4-Chlorophenyl phenyl ether	23.2	5.00	"	25.0		93.0	27-121				
4-Nitroaniline	20.0	5.00	"	25.0		80.0	13-134				
4-Nitrophenol	9.85	5.00	"	25.0		39.4	10-131				
Acetophenone	17.4	5.00	"	25.0		69.5	25-110				
Aniline	11.3	5.00	"	25.0		45.4	10-117				
Benzaldehyde	18.5	5.00	"	25.0		74.0	29-117				
Benzoic acid	6.51	5.00	"	25.0		26.0	30-130	Low Bias			
Benzyl alcohol	15.1	5.00	"	25.0		60.4	10-117				
Benzyl butyl phthalate	27.3	5.00	"	25.0		109	29-133				
Bis(2-chloroethoxy)methane	19.6	5.00	"	25.0		78.5	10-154				
Bis(2-chloroethyl)ether	17.7	5.00	"	25.0		70.9	17-125				
Bis(2-chloroisopropyl)ether	17.0	5.00	"	25.0		68.1	10-139				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22596 - EPA 3510C											
LCS (BA22596-BS1)	LCS	Prepared: 01/28/2022 Analyzed: 01/31/2022									
Caprolactam	4.56	5.00	ug/L	25.0		18.2	10-137				
Carbazole	21.0	5.00	"	25.0		84.0	42-126				
Dibenzofuran	22.6	5.00	"	25.0		90.5	36-113				
Diethyl phthalate	24.0	5.00	"	25.0		95.9	38-115				
Dimethyl phthalate	24.1	5.00	"	25.0		96.5	38-129				
Di-n-butyl phthalate	23.7	5.00	"	25.0		94.9	31-120				
Di-n-octyl phthalate	30.4	5.00	"	25.0		122	21-149				
Hexachlorocyclopentadiene	12.2	10.0	"	25.0		48.9	10-130				
Isophorone	22.7	5.00	"	25.0		90.9	25-127				
N-nitroso-di-n-propylamine	17.6	5.00	"	25.0		70.4	26-122				
N-Nitrosodiphenylamine	23.9	5.00	"	25.0		95.8	23-149				
Phenol	6.66	5.00	"	25.0		26.6	10-110				
Pyridine	17.4	5.00	"	25.5		68.3	10-90				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>18.8</i>		<i>"</i>	<i>50.0</i>		<i>37.5</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>11.3</i>		<i>"</i>	<i>50.0</i>		<i>22.6</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>22.5</i>		<i>"</i>	<i>25.0</i>		<i>89.9</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>20.8</i>		<i>"</i>	<i>25.0</i>		<i>83.3</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>23.6</i>		<i>"</i>	<i>25.0</i>		<i>94.2</i>	<i>30.7-106</i>				
LCS (BA22596-BS2)	LCS	Prepared: 01/28/2022 Analyzed: 01/31/2022									
Acenaphthene	0.720	0.0500	ug/L	1.00		72.0	25-116				
Acenaphthylene	0.820	0.0500	"	1.00		82.0	26-116				
Anthracene	0.770	0.0500	"	1.00		77.0	25-123				
Benzo(a)anthracene	0.910	0.0500	"	1.00		91.0	33-125				
Benzo(a)pyrene	0.990	0.0500	"	1.00		99.0	32-132				
Benzo(b)fluoranthene	1.04	0.0500	"	1.00		104	22-137				
Benzo(g,h,i)perylene	1.09	0.0500	"	1.00		109	10-138				
Benzo(k)fluoranthene	0.950	0.0500	"	1.00		95.0	20-137				
Bis(2-ethylhexyl)phthalate	1.12	0.500	"	1.00		112	10-189				
Chrysene	0.900	0.0500	"	1.00		90.0	32-124				
Dibenzo(a,h)anthracene	1.15	0.0500	"	1.00		115	16-133				
Fluoranthene	0.930	0.0500	"	1.00		93.0	32-121				
Fluorene	0.850	0.0500	"	1.00		85.0	28-118				
Hexachlorobenzene	0.660	0.0200	"	1.00		66.0	23-124				
Hexachlorobutadiene	0.700	0.500	"	1.00		70.0	15-123				
Hexachloroethane	0.680	0.500	"	1.00		68.0	18-115				
Indeno(1,2,3-cd)pyrene	1.01	0.0500	"	1.00		101	15-135				
Naphthalene	0.740	0.0500	"	1.00		74.0	18-120				
Nitrobenzene	0.760	0.250	"	1.00		76.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.320	0.250	"	1.00			32.0	10-156			
Phenanthrene	0.780	0.0500	"	1.00		78.0	24-127				
Pyrene	0.820	0.0500	"	1.00		82.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22596 - EPA 3510C											
LCS Dup (BA22596-bsd1)	LCS Dup	Prepared: 01/28/2022 Analyzed: 01/31/2022									
1,1-Biphenyl	20.0	5.00	ug/L	25.0		79.8	33-95		5.84	20	
1,2,4,5-Tetrachlorobenzene	20.5	5.00	"	25.0		81.9	26-120		0.924	20	
1,2,4-Trichlorobenzene	18.9	5.00	"	25.0		75.6	20-118		2.20	20	
1,2-Dichlorobenzene	17.5	5.00	"	25.0		69.9	29-111		6.48	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.9	5.00	"	25.0		75.7	16-141		2.81	20	
1,3-Dichlorobenzene	18.5	5.00	"	25.0		73.8	23-117		6.08	20	
1,4-Dichlorobenzene	17.6	5.00	"	25.0		70.6	30-105		4.70	20	
2,3,4,6-Tetrachlorophenol	22.6	5.00	"	25.0		90.6	30-130		7.85	20	
2,4,5-Trichlorophenol	22.0	5.00	"	25.0		87.9	32-114		7.61	20	
2,4,6-Trichlorophenol	22.6	5.00	"	25.0		90.3	35-118		4.80	20	
2,4-Dichlorophenol	23.4	5.00	"	25.0		93.7	25-116		3.11	20	
2,4-Dimethylphenol	17.2	5.00	"	25.0		68.7	15-116		0.754	20	
2,4-Dinitrophenol	25.7	5.00	"	25.0		103	10-170		1.69	20	
2,4-Dinitrotoluene	22.2	5.00	"	25.0		89.0	41-128		6.06	20	
2,6-Dinitrotoluene	23.4	5.00	"	25.0		93.8	45-116		6.92	20	
2-Chloronaphthalene	21.6	5.00	"	25.0		86.4	33-112		0.646	20	
2-Chlorophenol	18.3	5.00	"	25.0		73.4	15-120		5.09	20	
2-Methylnaphthalene	20.0	5.00	"	25.0		80.0	24-118		3.87	20	
2-Methylphenol	16.0	5.00	"	25.0		64.0	10-110		9.90	20	
2-Nitroaniline	23.0	5.00	"	25.0		91.9	34-129		2.32	20	
2-Nitrophenol	22.2	5.00	"	25.0		88.8	28-118		8.75	20	
3- & 4-Methylphenols	11.7	5.00	"	25.0		46.7	10-107		2.52	20	
3,3-Dichlorobenzidine	22.9	5.00	"	25.0		91.6	15-187		5.68	20	
3-Nitroaniline	19.6	5.00	"	25.0		78.3	24-134		14.4	20	
4,6-Dinitro-2-methylphenol	22.5	5.00	"	25.0		90.2	10-153		0.0443	20	
4-Bromophenyl phenyl ether	22.1	5.00	"	25.0		88.6	34-120		0.771	20	
4-Chloro-3-methylphenol	21.9	5.00	"	25.0		87.8	20-120		0.320	20	
4-Chloroaniline	12.7	5.00	"	25.0		50.9	10-147		8.26	20	
4-Chlorophenyl phenyl ether	22.9	5.00	"	25.0		91.6	27-121		1.52	20	
4-Nitroaniline	18.4	5.00	"	25.0		73.4	13-134		8.60	20	
4-Nitrophenol	8.99	5.00	"	25.0		36.0	10-131		9.13	20	
Acetophenone	18.5	5.00	"	25.0		73.9	25-110		6.13	20	
Aniline	8.77	5.00	"	25.0		35.1	10-117		25.6	20	Non-dir.
Benzaldehyde	19.0	5.00	"	25.0		75.9	29-117		2.51	20	
Benzoic acid	6.44	5.00	"	25.0		25.8	30-130	Low Bias	1.08	20	
Benzyl alcohol	15.2	5.00	"	25.0		60.6	10-117		0.331	20	
Benzyl butyl phthalate	24.7	5.00	"	25.0		99.0	29-133		9.73	20	
Bis(2-chloroethoxy)methane	20.3	5.00	"	25.0		81.3	10-154		3.55	20	
Bis(2-chloroethyl)ether	19.3	5.00	"	25.0		77.1	17-125		8.43	20	
Bis(2-chloroisopropyl)ether	17.1	5.00	"	25.0		68.3	10-139		0.235	20	
Caprolactam	4.63	5.00	"	25.0		18.5	10-137		1.52	20	
Carbazole	21.3	5.00	"	25.0		85.3	42-126		1.51	20	
Dibenzofuran	22.2	5.00	"	25.0		88.8	36-113		1.87	20	
Diethyl phthalate	22.7	5.00	"	25.0		90.7	38-115		5.57	20	
Dimethyl phthalate	22.8	5.00	"	25.0		91.1	38-129		5.80	20	
Di-n-butyl phthalate	22.8	5.00	"	25.0		91.3	31-120		3.82	20	
Di-n-octyl phthalate	27.4	5.00	"	25.0		110	21-149		10.3	20	
Hexachlorocyclopentadiene	11.2	10.0	"	25.0		44.6	10-130		9.07	20	
Isophorone	19.9	5.00	"	25.0		79.6	25-127		13.3	20	
N-nitroso-di-n-propylamine	18.8	5.00	"	25.0		75.2	26-122		6.65	20	
N-Nitrosodiphenylamine	23.6	5.00	"	25.0		94.2	23-149		1.64	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22596 - EPA 3510C

LCS Dup (BA22596-BSD1)	LCS Dup	Prepared: 01/28/2022 Analyzed: 01/31/2022									
Phenol		6.21	5.00	ug/L	25.0		24.8	10-110		6.99	20
Pyridine		16.2	5.00	"	25.5		63.6	10-90		7.13	20
Surrogate: SURR: 2-Fluorophenol		19.7		"	50.0		39.4	19.7-63.1			
Surrogate: SURR: Phenol-d5		11.4		"	50.0		22.9	10.1-41.7			
Surrogate: SURR: Nitrobenzene-d5		20.2		"	25.0		80.8	50.2-113			
Surrogate: SURR: 2-Fluorobiphenyl		20.5		"	25.0		81.9	39.9-105			
Surrogate: SURR: 2,4,6-Tribromophenol		50.7		"	50.0		101	39.3-151			
Surrogate: SURR: Terphenyl-d14		22.0		"	25.0		87.9	30.7-106			





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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21166 - EPA 3015A

Blank (BB21166-BLK1)		Blank										Prepared & Analyzed: 02/01/2022	
Aluminum	0.0900	0.0556	mg/L										
Barium	ND	0.0278	"										
Calcium	0.209	0.0556	"										
Chromium	ND	0.00556	"										
Cobalt	ND	0.00444	"										
Copper	ND	0.0222	"										
Iron	ND	0.278	"										
Lead	0.00585	0.00556	"										
Magnesium	ND	0.0556	"										
Manganese	ND	0.00556	"										
Nickel	ND	0.0111	"										
Potassium	ND	0.0556	"										
Silver	ND	0.00556	"										
Sodium	ND	0.556	"										
Vanadium	ND	0.0111	"										
Zinc	ND	0.0278	"										

LCS (BB21166-BS1)		LCS										Prepared & Analyzed: 02/01/2022	
Aluminum	2.04		ug/mL	2.00		102	80-120						
Barium	2.04		"	2.00		102	80-120						
Calcium	1.22		"	1.00		122	80-120	High Bias					
Chromium	0.193		"	0.200		96.7	80-120						
Cobalt	0.513		"	0.500		103	80-120						
Copper	0.248		"	0.250		99.2	80-120						
Iron	1.11		"	1.00		111	80-120						
Lead	0.509		"	0.500		102	80-120						
Magnesium	1.07		"	1.00		107	80-120						
Manganese	0.504		"	0.500		101	80-120						
Nickel	0.504		"	0.500		101	80-120						
Potassium	0.910		"	1.00		91.0	80-120						
Silver	0.0435		"	0.0500		86.9	80-120						
Sodium	1.11		"	1.00		111	80-120						
Vanadium	0.489		"	0.500		97.9	80-120						
Zinc	0.487		"	0.500		97.5	80-120						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21166 - EPA 3015A

Duplicate (BB21166-DUP1)	Duplicate	*Source sample: 22A1079-01 (Duplicate)				Prepared & Analyzed: 02/01/2022					
Aluminum		0.407	0.0556	mg/L	0.401					1.49	20
Barium		0.289	0.0278	"	0.290					0.207	20
Calcium		113	0.0556	"	114					0.176	20
Chromium		0.00692	0.00556	"	ND						20
Cobalt		ND	0.00444	"	ND						20
Copper		ND	0.0222	"	ND						20
Iron		0.838	0.278	"	0.786					6.50	20
Lead		ND	0.00556	"	ND						20
Magnesium		53.9	0.0556	"	53.8					0.295	20
Manganese		0.361	0.00556	"	0.363					0.556	20
Nickel		ND	0.0111	"	ND						20
Potassium		7.50	0.0556	"	7.40					1.25	20
Silver		ND	0.00556	"	ND						20
Sodium		247	0.556	"	248					0.652	20
Vanadium		ND	0.0111	"	ND						20
Zinc		0.0292	0.0278	"	ND						20

Matrix Spike (BB21166-MS1)	Matrix Spike	*Source sample: 22A1079-01 (Matrix Spike)				Prepared & Analyzed: 02/01/2022						
Aluminum		2.60	0.0556	mg/L	2.22	0.401	99.0	75-125				
Barium		2.47	0.0278	"	2.22	0.290	98.2	75-125				
Calcium		114	0.0556	"	1.11	114	10.2	75-125	Low Bias			
Chromium		0.217	0.00556	"	0.222	ND	97.5	75-125				
Cobalt		0.547	0.00444	"	0.556	ND	98.4	75-125				
Copper		0.284	0.0222	"	0.278	ND	102	75-125				
Iron		2.00	0.278	"	1.11	0.786	110	75-125				
Lead		0.539	0.00556	"	0.556	ND	97.0	75-125				
Magnesium		54.0	0.0556	"	1.11	53.8	18.1	75-125	Low Bias			
Manganese		0.903	0.00556	"	0.556	0.363	97.2	75-125				
Nickel		0.555	0.0111	"	0.556	ND	99.8	75-125				
Potassium		8.09	0.0556	"	1.11	7.40	62.1	75-125	Low Bias			
Silver		0.0491	0.00556	"	0.0556	ND	88.3	75-125				
Sodium		247	0.556	"	1.11	248	NR	75-125	Low Bias			
Vanadium		0.542	0.0111	"	0.556	ND	97.5	75-125				
Zinc		0.553	0.0278	"	0.556	ND	99.5	75-125				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21166 - EPA 3015A

Post Spike (BB21166-PS1)	Post Spike	*Source sample: 22A1079-01 (Post Spike)					Prepared & Analyzed: 02/01/2022					
Aluminum	2.41		ug/mL	2.00	0.361	102	75-125					
Barium	2.24		"	2.00	0.261	99.0	75-125					
Calcium	103		"	1.00	102	84.0	75-125					
Chromium	0.196		"	0.200	0.00499	95.6	75-125					
Cobalt	0.499		"	0.500	0.00125	99.5	75-125					
Copper	0.260		"	0.250	0.0124	99.0	75-125					
Iron	1.82		"	1.00	0.707	111	75-125					
Lead	0.501		"	0.500	0.00343	99.5	75-125					
Magnesium	48.7		"	1.00	48.4	25.5	75-125	Low Bias				
Manganese	0.818		"	0.500	0.327	98.3	75-125					
Nickel	0.506		"	0.500	-0.00445	101	75-125					
Potassium	7.51		"	1.00	6.66	84.3	75-125					
Silver	0.0423		"	0.0500	-0.00139	84.5	75-125					
Sodium	223		"	1.00	223	NR	75-125	Low Bias				
Vanadium	0.491		"	0.500	0.0000860	98.2	75-125					
Zinc	0.507		"	0.500	0.0199	97.3	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22692 - EPA 3015A												
Blank (BA22692-BLK1)	Blank								Prepared & Analyzed: 01/31/2022			
Antimony	ND	0.00111	mg/L									
Arsenic	ND	0.00111	"									
Beryllium	ND	0.000333	"									
Cadmium	ND	0.000556	"									
Selenium	ND	0.00111	"									
Thallium	ND	0.00111	"									
LCS (BA22692-BS1)	LCS								Prepared & Analyzed: 01/31/2022			
Antimony	44.6		ug/L	50.0		89.3	80-120					
Arsenic	51.8		"	50.0		104	80-120					
Beryllium	48.7		"	50.0		97.4	80-120					
Cadmium	48.6		"	50.0		97.2	80-120					
Selenium	48.1		"	50.0		96.2	80-120					
Thallium	54.0		"	50.0		108	80-120					
Duplicate (BA22692-DUP1)	Duplicate								*Source sample: 22A1148-04 (053_FB_20220127) Prepared & Analyzed: 01/31/2022			
Antimony	ND	0.00111	mg/L		ND						20	
Arsenic	ND	0.00111	"		ND						20	
Beryllium	ND	0.000333	"		ND						20	
Cadmium	ND	0.000556	"		ND						20	
Selenium	0.00120	0.00111	"		ND						20	
Thallium	ND	0.00111	"		ND						20	
Matrix Spike (BA22692-MS1)	Matrix Spike								*Source sample: 22A1148-04 (053_FB_20220127) Prepared & Analyzed: 01/31/2022			
Antimony	41.8		ug/L	50.0	0.016	83.6	75-125					
Arsenic	50.8		"	50.0	0.037	102	75-125					
Beryllium	38.2		"	50.0	0.005	76.4	75-125					
Cadmium	44.6		"	50.0	0.012	89.1	75-125					
Selenium	49.3		"	50.0	0.307	97.9	75-125					
Thallium	55.7		"	50.0	0.006	111	75-125					



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BA22590 - EPA SW846-7470A												
Blank (BA22590-BLK1)	Blank										Prepared & Analyzed: 01/27/2022	
Mercury	ND	0.0002	mg/L									
LCS (BA22590-BS1)	LCS										Prepared & Analyzed: 01/27/2022	
Mercury	0.0020414	0.0002	mg/L	0.00200		102	80-120					
Duplicate (BA22590-DUP1)	Duplicate	*Source sample: 22A1079-01 (Duplicate)										Prepared & Analyzed: 01/27/2022
Mercury	ND	0.0002	mg/L		ND						20	
Matrix Spike (BA22590-MS1)	Matrix Spike	*Source sample: 22A1079-01 (Matrix Spike)										Prepared & Analyzed: 01/27/2022
Mercury	0.0021	0.0002	mg/L	0.00200	ND	103	75-125					



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22A1148-01	050_MW05	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22A1148-02	051_DUP-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22A1148-03	052_TB_20220127	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22A1148-04	053_FB_20220127	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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.





York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
 22A1148

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

Page ___ of ___

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time			
Company: LANGAN	Company: [redacted]	Company: [redacted]	Company: [redacted]	Company: [redacted]	Company: [redacted]	1009163701	RUSH - Next Day	RUSH - Next Day	<input checked="" type="checkbox"/>		
Address: 300 Kimball Drive Parsippany, NJ	Address: [redacted]	Address: [redacted]	Address: [redacted]	Address: [redacted]	Address: [redacted]	YOUR Project Name	RUSH - Two Day	RUSH - Two Day			
Phone: 97305604900	Phone: [redacted]	Phone: [redacted]	Phone: [redacted]	Phone: [redacted]	Phone: [redacted]	1487 First Avenue	RUSH - Three Day	RUSH - Three Day			
Contact: MOLLY MATTERO	Contact: [redacted]	Contact: [redacted]	Contact: [redacted]	Contact: [redacted]	Contact: [redacted]	YOUR PO#:	RUSH - Four Day	RUSH - Four Day			
E-mail: mmattero@langan.com	E-mail: [redacted]	E-mail: [redacted]	E-mail: [redacted]	E-mail: [redacted]	E-mail: [redacted]		Standard (5-7 Day)	Standard (5-7 Day)			
<p>Matrix Codes</p> <p>S - soil / solid <input checked="" type="checkbox"/> Report / EDD Type (circle selections)</p> <p>GW - groundwater <input type="checkbox"/> Standard Excel EDD</p> <p>DW - drinking water <input type="checkbox"/> EQUS (Standard)</p> <p>WW - wastewater <input type="checkbox"/> NY SDEEC EQUIS</p> <p>O - Oil <input type="checkbox"/> NJDEP Reduced Deliverables</p> <p><input type="checkbox"/> NY ASP A Package</p> <p><input type="checkbox"/> NY ASP B Package</p> <p><input type="checkbox"/> NJDEP SRP HazSite</p> <p><input type="checkbox"/> Other: NJDKQP</p>											
<p>Sample Identification</p> <p>050 - MW05-8-9</p> <p>051 - DUP-3</p> <p>052 - TB-20220127</p> <p>053 - FB-20220127</p>		<p>Matrix Codes</p> <p>GW</p> <p>GW</p> <p>AQ</p> <p>AQ</p>		<p>Samples From</p> <p>New York <input checked="" type="checkbox"/></p> <p>New Jersey <input type="checkbox"/></p> <p>Connecticut <input type="checkbox"/></p> <p>Pennsylvania <input type="checkbox"/></p> <p>Other <input type="checkbox"/></p>		<p>Summary Report</p> <p>CT RCP</p> <p>CT RCP DQA/DUE</p> <p>NJDEP Reduced Deliverables</p> <p>NJDKQP</p>		<p>Analysis Requested</p> <p>[VOCs, SVOCs, TAL METALS]</p> <p>VOCs</p> <p>VOCs, SVOCs, TAL METALS</p>		<p>YORK Reg. Comp.</p> <p>Compared to the following Regulation(s): (please fill in)</p>	
<p>Container Description</p> <p>Morgan the Bottle</p>											
<p>Comments:</p> <p>include Amanda Forsburg, a.forsburg@langan.com</p>											
<p>Sample Identification</p> <p>Morgan McBride (Langan) 12/12/22 1515</p>		<p>Sample Matrix</p> <p>GW</p>		<p>Date/Time Sampled</p> <p>11/27/22 0933</p> <p>1015</p>		<p>Analysis Requested</p> <p>[VOCs, SVOCs, TAL METALS]</p>		<p>Container Description</p>			
<p>Sample Identification</p> <p>Morgan McBride (Langan) 12/12/22 1730</p>		<p>Sample Matrix</p> <p>GW</p>		<p>Date/Time Sampled</p> <p>12/12/22 1945</p>		<p>Analysis Requested</p> <p>[VOCs, SVOCs, TAL METALS]</p>		<p>Container Description</p>			
<p>Preservation: (check all that apply)</p> <p>HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/></p> <p>Ascorbic Acid <input type="checkbox"/> Other: <input type="checkbox"/></p>											
<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>		<p>Date/Time</p> <p>12/27/22 1530</p>		<p>Date/Time</p> <p>12/27/22 1945</p>		<p>Date/Time</p> <p>12/27/22 1945</p>		<p>Date/Time</p> <p>12/27/22 1945</p>			
<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>		<p>Date/Time</p> <p>12/27/22 1530</p>		<p>Date/Time</p> <p>12/27/22 1945</p>		<p>Date/Time</p> <p>12/27/22 1945</p>		<p>Date/Time</p> <p>12/27/22 1945</p>			
<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>		<p>Date/Time</p> <p>12/27/22 1530</p>		<p>Date/Time</p> <p>12/27/22 1945</p>		<p>Date/Time</p> <p>12/27/22 1945</p>		<p>Date/Time</p> <p>12/27/22 1945</p>			



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/04/2022

Client Project ID: 100963701

York Project (SDG) No.: 22A1171

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/04/2022
Client Project ID: 100963701
York Project (SDG) No.: 22A1171

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 31, 2022 and listed below. The project was identified as your project: **100963701**.

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>
22A1171-01	054_TB_20220128	Water	01/28/2022	01/31/2022
22A1171-02	055_LSB-13_15-17	Soil	01/28/2022	01/31/2022

General Notes for York Project (SDG) No.: 22A1171

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: 02/04/2022





Sample Information

Client Sample ID: 054_TB_20220128

York Sample ID: 22A1171-01

<u>York Project (SDG) No.</u> 22A1171	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 28, 2022 12:30 pm	<u>Date Received</u> 01/31/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2022 06:50	01/31/2022 14:40	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG





Sample Information

Client Sample ID: 054_TB_20220128

York Sample ID: 22A1171-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1171

100963701

Water

January 28, 2022 12:30 pm

01/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG



Sample Information

Client Sample ID: 054_TB_20220128

York Sample ID: 22A1171-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1171

100963701

Water

January 28, 2022 12:30 pm

01/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG



Sample Information

Client Sample ID: 054_TB_20220128

York Sample ID: 22A1171-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1171

100963701

Water

January 28, 2022 12:30 pm

01/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:50	01/31/2022 14:40	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2022 06:50	01/31/2022 14:40	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.7 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	97.8 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	79-122



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

<u>York Project (SDG) No.</u> 22A1171	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2022 9:50 am	<u>Date Received</u> 01/31/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2022 06:16	01/31/2022 21:45	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	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	01/31/2022 06:16	01/31/2022 21:45	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	01/31/2022 06:16	01/31/2022 21:45	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	01/31/2022 06:16	01/31/2022 21:45	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	01/31/2022 06:16	01/31/2022 21:45	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	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	01/31/2022 06:16	01/31/2022 21:45	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22A1171

100963701

Soil

January 28, 2022 9:50 am

01/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2022 06:16	01/31/2022 21:45	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

<u>York Project (SDG) No.</u> 22A1171	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2022 9:50 am	<u>Date Received</u> 01/31/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	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	01/31/2022 06:16	01/31/2022 21:45	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

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100963701

Soil

January 28, 2022 9:50 am

01/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2022 06:16	01/31/2022 21:45	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2022 06:16	01/31/2022 21:45	BMC
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.8 %			76-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH



Sample Information

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Soil

January 28, 2022 9:50 am

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH



Sample Information

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York Sample ID: 22A1171-02

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Soil

January 28, 2022 9:50 am

01/31/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0946	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH



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January 28, 2022 9:50 am

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

22A1171

100963701

Soil

January 28, 2022 9:50 am

01/31/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
108-95-2	Phenol	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0474	0.0946	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:45	02/03/2022 13:53	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	56.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	56.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	62.1 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.6 %			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	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/03/2022 10:24	KH	
Surrogate Recoveries		Result			Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %			39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

York Project (SDG) No.

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100963701

Soil

January 28, 2022 9:50 am

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	01/31/2022 10:39	02/01/2022 19:49	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	89.7 %	25-150
Surrogate: M5PFHxA	90.0 %	25-150
Surrogate: M4PFHpA	95.5 %	25-150
Surrogate: M3PFHxS	86.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	94.9 %	25-150
Surrogate: M6PFDA	89.1 %	25-150
Surrogate: M7PFUDA	80.0 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	67.0 %	25-150
Surrogate: M2PFTeDA	50.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	88.0 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	86.6 %	25-150



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

22A1171

100963701

Soil

January 28, 2022 9:50 am

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Surrogate: Perfluoro-n-[13C5]pentanoic acid, Surrogate: Perfluoro-1-[13C8]octanesulfonyl fluoride, etc.

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, delta-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Endrin ketone.



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

<u>York Project (SDG) No.</u> 22A1171	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2022 9:50 am	<u>Date Received</u> 01/31/2022
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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:56	02/03/2022 11:38	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/01/2022 07:56	02/03/2022 11:38	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:56	02/03/2022 11:38	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:56	02/03/2022 11:38	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:56	02/03/2022 11:38	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 07:56	02/03/2022 11:38	CM
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0378	5	EPA 8081B Certifications:	02/01/2022 07:56	02/03/2022 11:38	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	89.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.8 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2022 07:56	02/02/2022 05:32	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications:	02/01/2022 07:56	02/02/2022 05:32	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	77.5 %	30-120							



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

<u>York Project (SDG) No.</u> 22A1171	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2022 9:50 am	<u>Date Received</u> 01/31/2022
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Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:55	02/02/2022 20:57	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:55	02/02/2022 20:57	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:55	02/02/2022 20:57	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (65.4 %		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	31200	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-36-0	Antimony	11.6		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-39-3	Barium	333		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.345	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-70-2	Calcium	2700	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-47-3	Chromium	78.5		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-48-4	Cobalt	22.5		mg/kg dry	0.460	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-50-8	Copper	42.6		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7439-89-6	Iron	37000		mg/kg dry	28.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7439-92-1	Lead	43.8		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7439-95-4	Magnesium	13500	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7439-96-5	Manganese	395		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH



Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

<u>York Project (SDG) No.</u> 22A1171	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2022 9:50 am	<u>Date Received</u> 01/31/2022
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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
7440-02-0	Nickel	43.8		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-09-7	Potassium	15700		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-22-4	Silver	4.57		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-23-5	Sodium	341		mg/kg dry	57.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-62-2	Vanadium	77.3		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH
7440-66-6	Zinc	107		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2022 15:03	02/02/2022 20:13	RTH

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	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/03/2022 10:13	02/03/2022 14:36	BR

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	0.575	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	01/31/2022 09:01	01/31/2022 17:30	JAMT

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	0.575	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	01/31/2022 08:22	01/31/2022 13:57	TJA

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
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Sample Information

Client Sample ID: 055_LSB-13_15-17

York Sample ID: 22A1171-02

York Project (SDG) No.
22A1171

Client Project ID
100963701

Matrix
Soil

Collection Date/Time
January 28, 2022 9:50 am

Date Received
01/31/2022

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	87.0		%	0.100	1	SM 2540G	01/31/2022 16:39	01/31/2022 19:19	VR
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BA22677 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	01/31/22
BA22677-BLK1	Blank	01/31/22
BA22677-DUP1	Duplicate	01/31/22
BA22677-MS1	Matrix Spike	01/31/22
BA22677-SRM1	Reference	01/31/22

Batch ID: BA22687 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	01/31/22
BA22687-BLK1	Blank	01/31/22
BA22687-DUP1	Duplicate	01/31/22
BA22687-MS1	Matrix Spike	01/31/22
BA22687-SRM1	Reference	01/31/22

Batch ID: BA22697 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	01/31/22
BA22697-BLK1	Blank	01/31/22
BA22697-BS1	LCS	01/31/22
BA22697-MS1	Matrix Spike	01/31/22
BA22697-MSD1	Matrix Spike Dup	01/31/22

Batch ID: BA22729 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	01/31/22
BA22729-BLK1	Blank	01/31/22
BA22729-BLK2	Blank	01/31/22
BA22729-BLK3	Blank	01/31/22
BA22729-BLK4	Blank	01/31/22
BA22729-BS1	LCS	01/31/22
BA22729-BSD1	LCS Dup	01/31/22

Batch ID: BA22739 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	01/31/22
BA22739-DUP1	Duplicate	01/31/22



Batch ID: BA22742

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-01	054_TB_20220128	01/31/22
BA22742-BLK1	Blank	01/31/22
BA22742-BS1	LCS	01/31/22
BA22742-BSD1	LCS Dup	01/31/22

Batch ID: BB21152

Preparation Method: EPA 3550C

Prepared By: NN

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	02/01/22
22A1171-02	055_LSB-13_15-17	02/01/22
BB21152-BLK1	Blank	02/01/22
BB21152-BLK2	Blank	02/01/22
BB21152-BS1	LCS	02/01/22
BB21152-BS2	LCS	02/01/22
BB21152-MS1	Matrix Spike	02/01/22
BB21152-MSD1	Matrix Spike Dup	02/01/22

Batch ID: BB21207

Preparation Method: EPA 3050B

Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	02/01/22
BB21207-BLK1	Blank	02/01/22
BB21207-DUP1	Duplicate	02/01/22
BB21207-MS1	Matrix Spike	02/01/22
BB21207-PS1	Post Spike	02/01/22
BB21207-SRM1	Reference	02/01/22

Batch ID: BB21235

Preparation Method: EPA 3546 SVOA

Prepared By: NN

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	02/02/22
BB21235-BLK1	Blank	02/02/22
BB21235-BS1	LCS	02/02/22

Batch ID: BB21241

Preparation Method: EPA 3550C/8151A

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	02/02/22
BB21241-BLK1	Blank	02/02/22
BB21241-BS1	LCS	02/02/22
BB21241-MS1	Matrix Spike	02/02/22
BB21241-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21276

Preparation Method: EPA 3550C

Prepared By: JM



YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	02/02/22
BB21276-BLK1	Blank	02/02/22
BB21276-BS1	LCS	02/02/22

Batch ID: BB21333 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A1171-02	055_LSB-13_15-17	02/03/22
BB21333-BLK1	Blank	02/03/22
BB21333-DUP1	Duplicate	02/03/22
BB21333-MS1	Matrix Spike	02/03/22
BB21333-SRM1	Reference	02/03/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK1)	Blank	Prepared & Analyzed: 01/31/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK1) Blank

Prepared & Analyzed: 01/31/2022

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	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	56.2		ug/L	50.0		112	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	48.6		"	50.0		97.2	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.4		"	50.0		96.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK2) HB-22A0918

Prepared & Analyzed: 01/31/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK2)	HB-22A0918	Prepared & Analyzed: 01/31/2022									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	56.2		ug/L	50.0		112	77-125				
<i>Surrogate: Surr: Toluene-d8</i>	49.4			50.0		98.9	85-120				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	50.6			50.0		101	76-130				

Blank (BA22729-BLK3)	MeOH Blank	Prepared & Analyzed: 01/31/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK3)	MeOH Blank	Prepared & Analyzed: 01/31/2022									
2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK3) MeOH Blank Prepared & Analyzed: 01/31/2022

Surrogate: SURR: 1,2-Dichloroethane-d4	56.9		ug/L	50.0		114	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		99.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.0		"	50.0		99.9	76-130				

Blank (BA22729-BLK4) HB-22A1171 Prepared & Analyzed: 01/31/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

Blank (BA22729-BLK4) HB-22A1171

Prepared & Analyzed: 01/31/2022

Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	54.9		ug/L	50.0		110	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.5		"	50.0		99.0	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.2		"	50.0		98.5	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
Batch BA22729 - EPA 5035A												
LCS (BA22729-BS1)	LCS	Prepared & Analyzed: 01/31/2022										
1,1,1,2-Tetrachloroethane	56.6		ug/L	50.0		113		75-129				
1,1,1-Trichloroethane	57.3		"	50.0		115		71-137				
1,1,2,2-Tetrachloroethane	46.8		"	50.0		93.7		79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.6		58-146				
1,1,2-Trichloroethane	48.4		"	50.0		96.7		83-123				
1,1-Dichloroethane	47.9		"	50.0		95.7		75-130				
1,1-Dichloroethylene	48.8		"	50.0		97.7		64-137				
1,1-Dichloropropylene	48.3		"	50.0		96.6		77-127				
1,2,3-Trichlorobenzene	53.4		"	50.0		107		81-140				
1,2,3-Trichloropropane	51.1		"	50.0		102		81-126				
1,2,4-Trichlorobenzene	55.4		"	50.0		111		80-141				
1,2,4-Trimethylbenzene	50.8		"	50.0		102		84-125				
1,2-Dibromo-3-chloropropane	50.6		"	50.0		101		74-142				
1,2-Dibromoethane	51.6		"	50.0		103		86-123				
1,2-Dichlorobenzene	51.2		"	50.0		102		85-122				
1,2-Dichloroethane	55.9		"	50.0		112		71-133				
1,2-Dichloropropane	46.1		"	50.0		92.2		81-122				
1,3,5-Trimethylbenzene	49.7		"	50.0		99.4		82-126				
1,3-Dichlorobenzene	50.9		"	50.0		102		84-124				
1,3-Dichloropropane	48.5		"	50.0		97.0		83-123				
1,4-Dichlorobenzene	51.2		"	50.0		102		84-124				
1,4-Dioxane	1090		"	1050		104		10-228				
2,2-Dichloropropane	59.6		"	50.0		119		67-136				
2-Butanone	41.5		"	50.0		83.0		58-147				
2-Chlorotoluene	50.8		"	50.0		102		78-127				
2-Hexanone	42.7		"	50.0		85.5		70-139				
4-Chlorotoluene	50.2		"	50.0		100		79-125				
4-Methyl-2-pentanone	43.5		"	50.0		87.0		72-132				
Acetone	38.4		"	50.0		76.8		36-155				
Acrolein	26.6		"	50.0		53.2		10-238				
Acrylonitrile	41.3		"	50.0		82.6		66-141				
Benzene	47.5		"	50.0		95.1		77-127				
Bromobenzene	48.2		"	50.0		96.5		77-129				
Bromochloromethane	45.9		"	50.0		91.8		74-129				
Bromodichloromethane	55.6		"	50.0		111		81-124				
Bromoform	59.2		"	50.0		118		80-136				
Bromomethane	64.0		"	50.0		128		32-177				
Carbon disulfide	51.4		"	50.0		103		10-136				
Carbon tetrachloride	60.8		"	50.0		122		66-143				
Chlorobenzene	52.8		"	50.0		106		86-120				
Chloroethane	51.9		"	50.0		104		51-142				
Chloroform	54.9		"	50.0		110		76-131				
Chloromethane	30.2		"	50.0		60.5		49-132				
cis-1,2-Dichloroethylene	48.8		"	50.0		97.7		74-132				
cis-1,3-Dichloropropylene	53.7		"	50.0		107		81-129				
Cyclohexane	41.9		"	50.0		83.7		70-130				
Dibromochloromethane	59.3		"	50.0		119		10-200				
Dibromomethane	50.6		"	50.0		101		83-124				
Dichlorodifluoromethane	31.1		"	50.0		62.2		28-158				
Ethyl Benzene	50.8		"	50.0		102		84-125				
Hexachlorobutadiene	56.7		"	50.0		113		83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22729 - EPA 5035A											
LCS (BA22729-BS1)	LCS	Prepared & Analyzed: 01/31/2022									
Isopropylbenzene	51.2		ug/L	50.0		102	81-127				
Methyl acetate	37.2		"	50.0		74.3	41-143				
Methyl tert-butyl ether (MTBE)	47.8		"	50.0		95.7	74-131				
Methylcyclohexane	45.8		"	50.0		91.5	70-130				
Methylene chloride	45.2		"	50.0		90.5	57-141				
n-Butylbenzene	51.2		"	50.0		102	80-130				
n-Propylbenzene	48.9		"	50.0		97.7	74-136				
o-Xylene	52.8		"	50.0		106	83-123				
p- & m- Xylenes	104		"	100		104	82-128				
p-Isopropyltoluene	52.3		"	50.0		105	85-125				
sec-Butylbenzene	49.8		"	50.0		99.6	83-125				
Styrene	48.7		"	50.0		97.4	86-126				
tert-Butyl alcohol (TBA)	242		"	250		96.8	70-130				
tert-Butylbenzene	51.5		"	50.0		103	80-127				
Tetrachloroethylene	47.0		"	50.0		93.9	80-129				
Toluene	48.9		"	50.0		97.8	85-121				
trans-1,2-Dichloroethylene	48.1		"	50.0		96.1	72-132				
trans-1,3-Dichloropropylene	55.4		"	50.0		111	78-132				
Trichloroethylene	50.7		"	50.0		101	84-123				
Trichlorofluoromethane	60.2		"	50.0		120	62-140				
Vinyl acetate	43.0		"	50.0		86.1	67-136				
Vinyl Chloride	40.0		"	50.0		79.9	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	56.8		"	50.0		114	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.2		"	50.0		98.4	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.3		"	50.0		98.6	76-130				
LCS Dup (BA22729-BS1)	LCS Dup	Prepared & Analyzed: 01/31/2022									
1,1,1,2-Tetrachloroethane	55.8		ug/L	50.0		112	75-129		1.50	30	
1,1,1-Trichloroethane	57.0		"	50.0		114	71-137		0.665	30	
1,1,2,2-Tetrachloroethane	47.1		"	50.0		94.1	79-129		0.447	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.7	58-146		0.141	30	
1,1,2-Trichloroethane	49.0		"	50.0		97.9	83-123		1.23	30	
1,1-Dichloroethane	46.7		"	50.0		93.4	75-130		2.50	30	
1,1-Dichloroethylene	48.2		"	50.0		96.4	64-137		1.32	30	
1,1-Dichloropropylene	47.7		"	50.0		95.5	77-127		1.15	30	
1,2,3-Trichlorobenzene	53.9		"	50.0		108	81-140		0.801	30	
1,2,3-Trichloropropane	51.9		"	50.0		104	81-126		1.57	30	
1,2,4-Trichlorobenzene	54.6		"	50.0		109	80-141		1.33	30	
1,2,4-Trimethylbenzene	49.5		"	50.0		98.9	84-125		2.57	30	
1,2-Dibromo-3-chloropropane	51.9		"	50.0		104	74-142		2.58	30	
1,2-Dibromoethane	53.7		"	50.0		107	86-123		3.99	30	
1,2-Dichlorobenzene	51.1		"	50.0		102	85-122		0.176	30	
1,2-Dichloroethane	54.0		"	50.0		108	71-133		3.44	30	
1,2-Dichloropropane	45.7		"	50.0		91.4	81-122		0.872	30	
1,3,5-Trimethylbenzene	48.7		"	50.0		97.4	82-126		2.05	30	
1,3-Dichlorobenzene	50.9		"	50.0		102	84-124		0.0393	30	
1,3-Dichloropropane	47.9		"	50.0		95.9	83-123		1.20	30	
1,4-Dichlorobenzene	50.7		"	50.0		101	84-124		1.10	30	
1,4-Dioxane	1190		"	1050		113	10-228		8.50	30	
2,2-Dichloropropane	59.2		"	50.0		118	67-136		0.707	30	
2-Butanone	48.0		"	50.0		96.1	58-147		14.6	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22729 - EPA 5035A											
LCS Dup (BA22729-BS1)	LCS Dup	Prepared & Analyzed: 01/31/2022									
2-Chlorotoluene	49.2		ug/L	50.0		98.5	78-127		3.16	30	
2-Hexanone	44.7		"	50.0		89.4	70-139		4.48	30	
4-Chlorotoluene	52.9		"	50.0		106	79-125		5.30	30	
4-Methyl-2-pentanone	44.2		"	50.0		88.4	72-132		1.60	30	
Acetone	39.0		"	50.0		78.0	36-155		1.47	30	
Acrolein	25.7		"	50.0		51.4	10-238		3.44	30	
Acrylonitrile	42.7		"	50.0		85.4	66-141		3.24	30	
Benzene	46.8		"	50.0		93.6	77-127		1.61	30	
Bromobenzene	46.8		"	50.0		93.5	77-129		3.10	30	
Bromochloromethane	46.7		"	50.0		93.3	74-129		1.64	30	
Bromodichloromethane	54.6		"	50.0		109	81-124		1.94	30	
Bromoform	60.7		"	50.0		121	80-136		2.50	30	
Bromomethane	57.8		"	50.0		116	32-177		10.2	30	
Carbon disulfide	51.2		"	50.0		102	10-136		0.390	30	
Carbon tetrachloride	60.6		"	50.0		121	66-143		0.198	30	
Chlorobenzene	52.1		"	50.0		104	86-120		1.43	30	
Chloroethane	52.7		"	50.0		105	51-142		1.53	30	
Chloroform	53.4		"	50.0		107	76-131		2.71	30	
Chloromethane	30.3		"	50.0		60.6	49-132		0.0991	30	
cis-1,2-Dichloroethylene	48.2		"	50.0		96.5	74-132		1.24	30	
cis-1,3-Dichloropropylene	52.8		"	50.0		106	81-129		1.67	30	
Cyclohexane	41.4		"	50.0		82.8	70-130		1.13	30	
Dibromochloromethane	58.8		"	50.0		118	10-200		0.914	30	
Dibromomethane	50.9		"	50.0		102	83-124		0.512	30	
Dichlorodifluoromethane	30.5		"	50.0		61.1	28-158		1.78	30	
Ethyl Benzene	50.2		"	50.0		100	84-125		1.07	30	
Hexachlorobutadiene	57.3		"	50.0		115	83-133		1.07	30	
Isopropylbenzene	49.6		"	50.0		99.2	81-127		3.13	30	
Methyl acetate	37.9		"	50.0		75.9	41-143		2.08	30	
Methyl tert-butyl ether (MTBE)	48.7		"	50.0		97.5	74-131		1.86	30	
Methylcyclohexane	44.9		"	50.0		89.9	70-130		1.81	30	
Methylene chloride	44.0		"	50.0		88.1	57-141		2.69	30	
n-Butylbenzene	49.6		"	50.0		99.1	80-130		3.22	30	
n-Propylbenzene	47.6		"	50.0		95.2	74-136		2.57	30	
o-Xylene	51.9		"	50.0		104	83-123		1.68	30	
p- & m- Xylenes	102		"	100		102	82-128		1.99	30	
p-Isopropyltoluene	51.1		"	50.0		102	85-125		2.30	30	
sec-Butylbenzene	48.0		"	50.0		96.0	83-125		3.74	30	
Styrene	48.7		"	50.0		97.3	86-126		0.0205	30	
tert-Butyl alcohol (TBA)	261		"	250		104	70-130		7.48	30	
tert-Butylbenzene	50.4		"	50.0		101	80-127		2.18	30	
Tetrachloroethylene	46.8		"	50.0		93.6	80-129		0.384	30	
Toluene	48.3		"	50.0		96.7	85-121		1.13	30	
trans-1,2-Dichloroethylene	47.7		"	50.0		95.4	72-132		0.773	30	
trans-1,3-Dichloropropylene	55.0		"	50.0		110	78-132		0.743	30	
Trichloroethylene	49.5		"	50.0		99.0	84-123		2.40	30	
Trichlorofluoromethane	57.6		"	50.0		115	62-140		4.38	30	
Vinyl acetate	41.3		"	50.0		82.5	67-136		4.18	30	
Vinyl Chloride	38.4		"	50.0		76.8	52-130		3.96	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	56.1		"	50.0		112	77-125				
Surrogate: Surr: Toluene-d8	48.8		"	50.0		97.6	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22729 - EPA 5035A

LCS Dup (BA22729-BSD1) LCS Dup

Prepared & Analyzed: 01/31/2022

Surrogate: SURR: p-Bromofluorobenzene 47.7 ug/L 50.0 95.5 76-130

Batch BA22742 - EPA 5030B

Blank (BA22742-BLK1) Blank

Prepared & Analyzed: 01/31/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22742 - EPA 5030B

Blank (BA22742-BLK1)	Blank	Prepared & Analyzed: 01/31/2022									
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	9.99		"	10.0		99.9	69-130				
Surrogate: SURR: Toluene-d8	9.79		"	10.0		97.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
Batch BA22742 - EPA 5030B												
LCS (BA22742-BS1)	LCS	Prepared & Analyzed: 01/31/2022										
1,1,1,2-Tetrachloroethane	9.70		ug/L	10.0		97.0		82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103		78-136				
1,1,2,2-Tetrachloroethane	9.65		"	10.0		96.5		76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116		54-165				
1,1,2-Trichloroethane	9.05		"	10.0		90.5		82-123				
1,1-Dichloroethane	10.3		"	10.0		103		82-129				
1,1-Dichloroethylene	11.2		"	10.0		112		68-138				
1,1-Dichloropropylene	9.99		"	10.0		99.9		83-133				
1,2,3-Trichlorobenzene	8.06		"	10.0		80.6		76-136				
1,2,3-Trichloropropane	9.45		"	10.0		94.5		77-128				
1,2,4-Trichlorobenzene	8.48		"	10.0		84.8		76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102		82-132				
1,2-Dibromo-3-chloropropane	7.92		"	10.0		79.2		45-147				
1,2-Dibromoethane	9.22		"	10.0		92.2		83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102		79-123				
1,2-Dichloroethane	9.96		"	10.0		99.6		73-132				
1,2-Dichloropropane	10.3		"	10.0		103		78-126				
1,3,5-Trimethylbenzene	10.3		"	10.0		103		80-131				
1,3-Dichlorobenzene	9.62		"	10.0		96.2		86-122				
1,3-Dichloropropane	9.08		"	10.0		90.8		81-125				
1,4-Dichlorobenzene	9.88		"	10.0		98.8		85-124				
1,4-Dioxane	221		"	210		105		10-349				
2,2-Dichloropropane	10.8		"	10.0		108		56-150				
2-Butanone	9.60		"	10.0		96.0		49-152				
2-Chlorotoluene	10.3		"	10.0		103		79-130				
2-Hexanone	8.70		"	10.0		87.0		51-146				
4-Chlorotoluene	10.4		"	10.0		104		79-128				
4-Methyl-2-pentanone	8.71		"	10.0		87.1		57-145				
Acetone	9.10		"	10.0		91.0		14-150				
Acrolein	4.67		"	10.0		46.7		10-153				
Acrylonitrile	9.84		"	10.0		98.4		51-150				
Benzene	10.6		"	10.0		106		85-126				
Bromobenzene	9.85		"	10.0		98.5		78-129				
Bromochloromethane	10.3		"	10.0		103		77-128				
Bromodichloromethane	9.56		"	10.0		95.6		79-128				
Bromoform	9.16		"	10.0		91.6		78-133				
Bromomethane	7.93		"	10.0		79.3		43-168				
Carbon disulfide	11.1		"	10.0		111		68-146				
Carbon tetrachloride	10.7		"	10.0		107		77-141				
Chlorobenzene	10.3		"	10.0		103		88-120				
Chloroethane	11.2		"	10.0		112		65-136				
Chloroform	10.4		"	10.0		104		82-128				
Chloromethane	10.2		"	10.0		102		43-155				
cis-1,2-Dichloroethylene	10.3		"	10.0		103		83-129				
cis-1,3-Dichloropropylene	9.54		"	10.0		95.4		80-131				
Cyclohexane	8.10		"	10.0		81.0		63-149				
Dibromochloromethane	9.07		"	10.0		90.7		80-130				
Dibromomethane	9.27		"	10.0		92.7		72-134				
Dichlorodifluoromethane	11.7		"	10.0		117		44-144				
Ethyl Benzene	10.7		"	10.0		107		80-131				
Hexachlorobutadiene	10.8		"	10.0		108		67-146				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22742 - EPA 5030B											
LCS (BA22742-BS1)	LCS	Prepared & Analyzed: 01/31/2022									
Isopropylbenzene	11.0		ug/L	10.0		110	76-140				
Methyl acetate	9.06		"	10.0		90.6	51-139				
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	76-135				
Methylcyclohexane	10.5		"	10.0		105	72-143				
Methylene chloride	9.88		"	10.0		98.8	55-137				
n-Butylbenzene	10.9		"	10.0		109	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	18.2		"	20.0		91.0	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	41.1		"	50.0		82.1	25-162				
tert-Butylbenzene	8.45		"	10.0		84.5	77-138				
Tetrachloroethylene	9.56		"	10.0		95.6	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	78-131				
Trichloroethylene	9.73		"	10.0		97.3	82-128				
Trichlorofluoromethane	12.4		"	10.0		124	67-139				
Vinyl acetate	12.9		"	10.0		129	21-90	High Bias			
Vinyl Chloride	12.6		"	10.0		126	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>				
LCS Dup (BA22742-BS1)	LCS Dup	Prepared & Analyzed: 01/31/2022									
1,1,1,2-Tetrachloroethane	9.55		ug/L	10.0		95.5	82-126		1.56	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		2.66	30	
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	76-129		0.728	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		3.51	30	
1,1,2-Trichloroethane	9.24		"	10.0		92.4	82-123		2.08	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		2.36	30	
1,1-Dichloroethylene	10.9		"	10.0		109	68-138		3.53	30	
1,1-Dichloropropylene	9.75		"	10.0		97.5	83-133		2.43	30	
1,2,3-Trichlorobenzene	8.14		"	10.0		81.4	76-136		0.988	30	
1,2,3-Trichloropropane	9.48		"	10.0		94.8	77-128		0.317	30	
1,2,4-Trichlorobenzene	8.40		"	10.0		84.0	76-137		0.948	30	
1,2,4-Trimethylbenzene	9.63		"	10.0		96.3	82-132		6.24	30	
1,2-Dibromo-3-chloropropane	9.40		"	10.0		94.0	45-147		17.1	30	
1,2-Dibromoethane	9.56		"	10.0		95.6	83-124		3.62	30	
1,2-Dichlorobenzene	9.81		"	10.0		98.1	79-123		3.60	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		1.69	30	
1,2-Dichloropropane	10.1		"	10.0		101	78-126		1.47	30	
1,3,5-Trimethylbenzene	9.75		"	10.0		97.5	80-131		5.87	30	
1,3-Dichlorobenzene	9.17		"	10.0		91.7	86-122		4.79	30	
1,3-Dichloropropane	9.33		"	10.0		93.3	81-125		2.72	30	
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124		5.09	30	
1,4-Dioxane	235		"	210		112	10-349		6.22	30	
2,2-Dichloropropane	10.4		"	10.0		104	56-150		3.78	30	
2-Butanone	10.4		"	10.0		104	49-152		7.71	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22742 - EPA 5030B											
LCS Dup (BA22742-bsd1)	LCS Dup	Prepared & Analyzed: 01/31/2022									
2-Chlorotoluene	9.57		ug/L	10.0		95.7	79-130		7.54	30	
2-Hexanone	9.39		"	10.0		93.9	51-146		7.63	30	
4-Chlorotoluene	9.67		"	10.0		96.7	79-128		6.99	30	
4-Methyl-2-pentanone	9.24		"	10.0		92.4	57-145		5.91	30	
Acetone	9.55		"	10.0		95.5	14-150		4.83	30	
Acrolein	4.91		"	10.0		49.1	10-153		5.01	30	
Acrylonitrile	10.4		"	10.0		104	51-150		5.24	30	
Benzene	10.4		"	10.0		104	85-126		2.66	30	
Bromobenzene	9.43		"	10.0		94.3	78-129		4.36	30	
Bromochloromethane	10.3		"	10.0		103	77-128		0.194	30	
Bromodichloromethane	9.41		"	10.0		94.1	79-128		1.58	30	
Bromoform	9.66		"	10.0		96.6	78-133		5.31	30	
Bromomethane	7.14		"	10.0		71.4	43-168		10.5	30	
Carbon disulfide	10.5		"	10.0		105	68-146		5.18	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		2.18	30	
Chlorobenzene	10.1		"	10.0		101	88-120		2.15	30	
Chloroethane	10.6		"	10.0		106	65-136		5.77	30	
Chloroform	10.2		"	10.0		102	82-128		2.23	30	
Chloromethane	9.04		"	10.0		90.4	43-155		11.6	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		2.25	30	
cis-1,3-Dichloropropylene	9.40		"	10.0		94.0	80-131		1.48	30	
Cyclohexane	7.98		"	10.0		79.8	63-149		1.49	30	
Dibromochloromethane	9.25		"	10.0		92.5	80-130		1.97	30	
Dibromomethane	9.39		"	10.0		93.9	72-134		1.29	30	
Dichlorodifluoromethane	10.6		"	10.0		106	44-144		9.97	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		3.02	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		0.462	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		7.81	30	
Methyl acetate	9.62		"	10.0		96.2	51-139		6.00	30	
Methyl tert-butyl ether (MTBE)	9.63		"	10.0		96.3	76-135		3.59	30	
Methylcyclohexane	10.4		"	10.0		104	72-143		1.05	30	
Methylene chloride	9.69		"	10.0		96.9	55-137		1.94	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		4.98	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		6.96	30	
o-Xylene	10.2		"	10.0		102	78-130		2.14	30	
p- & m- Xylenes	17.8		"	20.0		89.2	77-133		2.00	30	
p-Isopropyltoluene	9.86		"	10.0		98.6	81-136		5.62	30	
sec-Butylbenzene	9.98		"	10.0		99.8	79-137		6.03	30	
Styrene	9.79		"	10.0		97.9	67-132		2.12	30	
tert-Butyl alcohol (TBA)	44.8		"	50.0		89.7	25-162		8.78	30	
tert-Butylbenzene	7.93		"	10.0		79.3	77-138		6.35	30	
Tetrachloroethylene	9.21		"	10.0		92.1	82-131		3.73	30	
Toluene	9.94		"	10.0		99.4	80-127		2.88	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.46	30	
trans-1,3-Dichloropropylene	9.34		"	10.0		93.4	78-131		0.644	30	
Trichloroethylene	9.34		"	10.0		93.4	82-128		4.09	30	
Trichlorofluoromethane	11.6		"	10.0		116	67-139		6.86	30	
Vinyl acetate	12.8		"	10.0		128	21-90	High Bias	0.467	30	
Vinyl Chloride	11.5		"	10.0		115	58-145		9.29	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Surr: Toluene-d8	9.70		"	10.0		97.0	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22742 - EPA 5030B											
LCS Dup (BA22742-BSD1) LCS Dup								Prepared & Analyzed: 01/31/2022			
Surrogate: SURR: p-Bromofluorobenzene	9.97		ug/L	10.0		99.7	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21235 - EPA 3546 SVOA

Blank (BB21235-BLK1)

Blank

Prepared: 02/02/2022 Analyzed: 02/03/2022

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21235 - EPA 3546 SVOA

Blank (BB21235-BLK1)	Blank	Prepared: 02/02/2022 Analyzed: 02/03/2022									
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	0.827		"	1.66		49.8	20-108				
Surrogate: SURR: Phenol-d5	0.877		"	1.66		52.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.489		"	0.831		58.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.431		"	0.831		51.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.895		"	1.66		53.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.537		"	0.831		64.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21235 - EPA 3546 SVOA											
LCS (BB21235-BS1)	LCS										Prepared: 02/02/2022 Analyzed: 02/03/2022
1,1-Biphenyl	0.434	0.0416	mg/kg wet	0.831		52.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.398	0.0830	"	0.831		47.9	21-131				
1,2,4-Trichlorobenzene	0.474	0.0416	"	0.831		57.1	10-140				
1,2-Dichlorobenzene	0.464	0.0416	"	0.831		55.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.396	0.0416	"	0.831		47.7	17-137				
1,3-Dichlorobenzene	0.434	0.0416	"	0.831		52.3	33-110				
1,4-Dichlorobenzene	0.406	0.0416	"	0.831		48.9	32-104				
2,3,4,6-Tetrachlorophenol	0.437	0.0830	"	0.831		52.6	30-130				
2,4,5-Trichlorophenol	0.449	0.0416	"	0.831		54.0	27-118				
2,4,6-Trichlorophenol	0.451	0.0416	"	0.831		54.3	31-120				
2,4-Dichlorophenol	0.495	0.0416	"	0.831		59.6	20-127				
2,4-Dimethylphenol	0.408	0.0416	"	0.831		49.2	14-132				
2,4-Dinitrophenol	0.192	0.0830	"	0.831		23.1	10-171				
2,4-Dinitrotoluene	0.527	0.0416	"	0.831		63.5	34-131				
2,6-Dinitrotoluene	0.480	0.0416	"	0.831		57.8	31-128				
2-Chloronaphthalene	0.405	0.0416	"	0.831		48.8	31-117				
2-Chlorophenol	0.486	0.0416	"	0.831		58.5	33-113				
2-Methylnaphthalene	0.429	0.0416	"	0.831		51.6	12-138				
2-Methylphenol	0.427	0.0416	"	0.831		51.4	10-136				
2-Nitroaniline	0.477	0.0830	"	0.831		57.4	27-132				
2-Nitrophenol	0.485	0.0416	"	0.831		58.4	17-129				
3- & 4-Methylphenols	0.400	0.0416	"	0.831		48.2	29-103				
3,3-Dichlorobenzidine	0.382	0.0416	"	0.831		46.0	22-149				
3-Nitroaniline	0.416	0.0830	"	0.831		50.1	20-133				
4,6-Dinitro-2-methylphenol	0.314	0.0830	"	0.831		37.8	10-143				
4-Bromophenyl phenyl ether	0.443	0.0416	"	0.831		53.4	29-120				
4-Chloro-3-methylphenol	0.452	0.0416	"	0.831		54.4	24-129				
4-Chloroaniline	0.330	0.0416	"	0.831		39.8	10-132				
4-Chlorophenyl phenyl ether	0.436	0.0416	"	0.831		52.5	27-124				
4-Nitroaniline	0.419	0.0830	"	0.831		50.5	16-128				
4-Nitrophenol	0.440	0.0830	"	0.831		53.0	10-141				
Acenaphthene	0.440	0.0416	"	0.831		53.0	30-121				
Acenaphthylene	0.429	0.0416	"	0.831		51.7	30-115				
Acetophenone	0.430	0.0416	"	0.831		51.7	20-112				
Aniline	0.359	0.166	"	0.831		43.2	10-119				
Anthracene	0.436	0.0416	"	0.831		52.5	34-118				
Atrazine	0.450	0.0416	"	0.831		54.1	26-112				
Benzaldehyde	0.426	0.0416	"	0.831		51.3	21-100				
Benzo(a)anthracene	0.456	0.0416	"	0.831		55.0	32-122				
Benzo(a)pyrene	0.389	0.0416	"	0.831		46.8	29-133				
Benzo(b)fluoranthene	0.390	0.0416	"	0.831		46.9	25-133				
Benzo(g,h,i)perylene	0.359	0.0416	"	0.831		43.3	10-143				
Benzo(k)fluoranthene	0.393	0.0416	"	0.831		47.3	25-128				
Benzoic acid	0.197	0.0416	"	0.831		23.7	10-140				
Benzyl alcohol	0.419	0.0416	"	0.831		50.4	30-115				
Benzyl butyl phthalate	0.489	0.0416	"	0.831		58.8	26-126				
Bis(2-chloroethoxy)methane	0.388	0.0416	"	0.831		46.7	19-132				
Bis(2-chloroethyl)ether	0.883	0.0416	"	0.831		106	19-125				
Bis(2-chloroisopropyl)ether	0.358	0.0416	"	0.831		43.1	20-135				
Bis(2-ethylhexyl)phthalate	0.442	0.0416	"	0.831		53.2	10-155				
Caprolactam	0.424	0.0830	"	0.831		51.0	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21235 - EPA 3546 SVOA

LCS (BB21235-BS1)	LCS	Prepared: 02/02/2022 Analyzed: 02/03/2022									
Carbazole	0.441	0.0416	mg/kg wet	0.831		53.1	35-123				
Chrysene	0.470	0.0416	"	0.831		56.6	32-123				
Dibenzo(a,h)anthracene	0.410	0.0416	"	0.831		49.4	10-136				
Dibenzofuran	0.428	0.0416	"	0.831		51.6	29-121				
Diethyl phthalate	0.441	0.0416	"	0.831		53.1	34-116				
Dimethyl phthalate	0.420	0.0416	"	0.831		50.6	35-124				
Di-n-butyl phthalate	0.453	0.0416	"	0.831		54.5	31-116				
Di-n-octyl phthalate	0.409	0.0416	"	0.831		49.2	26-136				
Fluoranthene	0.490	0.0416	"	0.831		59.0	33-122				
Fluorene	0.432	0.0416	"	0.831		52.0	29-123				
Hexachlorobenzene	0.452	0.0416	"	0.831		54.5	21-124				
Hexachlorobutadiene	0.480	0.0416	"	0.831		57.8	10-149				
Hexachlorocyclopentadiene	0.124	0.0416	"	0.831		14.9	10-129				
Hexachloroethane	0.362	0.0416	"	0.831		43.6	28-108				
Indeno(1,2,3-cd)pyrene	0.390	0.0416	"	0.831		47.0	10-135				
Isophorone	0.378	0.0416	"	0.831		45.6	20-132				
Naphthalene	0.428	0.0416	"	0.831		51.6	23-124				
Nitrobenzene	0.462	0.0416	"	0.831		55.6	13-132				
N-Nitrosodimethylamine	0.253	0.0416	"	0.831		30.5	11-129				
N-nitroso-di-n-propylamine	0.390	0.0416	"	0.831		46.9	24-119				
N-Nitrosodiphenylamine	0.483	0.0416	"	0.831		58.1	22-152				
Pentachlorophenol	0.351	0.0416	"	0.831		42.3	10-139				
Phenanthrene	0.460	0.0416	"	0.831		55.4	33-123				
Phenol	0.459	0.0416	"	0.831		55.3	23-115				
Pyrene	0.508	0.0416	"	0.831		61.2	24-130				
Pyridine	0.223	0.166	"	0.831		26.9	10-91				
Surrogate: SURR: 2-Fluorophenol	0.884		"	1.66		53.2	20-108				
Surrogate: SURR: Phenol-d5	0.931		"	1.66		56.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.507		"	0.831		61.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.431		"	0.831		51.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.05		"	1.66		63.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.537		"	0.831		64.7	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21276 - EPA 3550C											
Blank (BB21276-BLK1)	Blank										Prepared: 02/02/2022 Analyzed: 02/03/2022
1,4-Dioxane	ND	19.8	ug/kg								
<i>Surrogate: 1,4-Dioxane-d8</i>	248		"	495		50.0	39-127.5				
LCS (BB21276-BS1)	LCS										Prepared: 02/02/2022 Analyzed: 02/03/2022
1,4-Dioxane	587	19.8	ug/kg	495		119	40-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	267		"	495		54.0	39-127.5				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22697 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BA22697-BLK1) Blank Prepared: 01/31/2022 Analyzed: 02/01/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.240	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.240	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.240	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.240	"								
Perfluorooctanoic acid (PFOA)	ND	0.240	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.240	"								
Perfluorononanoic acid (PFNA)	ND	0.240	"								
Perfluorodecanoic acid (PFDA)	ND	0.240	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.240	"								
Perfluorododecanoic acid (PFDoA)	ND	0.240	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.240	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.240	"								
N-MeFOSAA	ND	0.240	"								
N-EtFOSAA	ND	0.240	"								
Perfluoropentanoic acid (PFPeA)	ND	0.240	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.240	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.240	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.240	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.240	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.240	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.240	"								
Surrogate: M3PFBS	4.35		"	4.46		97.6	25-150				
Surrogate: M5PFHxA	4.58		"	4.80		95.3	25-150				
Surrogate: M4PFHpA	4.80		"	4.80		99.9	25-150				
Surrogate: M3PFHxS	4.55		"	4.54		100	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.65		"	4.80		96.9	25-150				
Surrogate: M6PFDA	4.49		"	4.80		93.5	25-150				
Surrogate: M7PFUdA	3.89		"	4.80		81.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.71		"	4.80		77.4	25-150				
Surrogate: M2PFTeDA	3.05		"	4.80		63.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.68		"	4.80		97.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.07		"	4.60		88.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.99		"	4.80		104	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.59		"	4.80		74.7	10-150				
Surrogate: d3-N-MeFOSAA	4.31		"	4.80		89.8	25-150				
Surrogate: d5-N-EtFOSAA	3.61		"	4.80		75.1	25-150				
Surrogate: M2-6:2 FTS	3.59		"	4.56		78.8	25-200				
Surrogate: M2-8:2 FTS	3.44		"	4.60		74.8	25-200				
Surrogate: M9PFNA	4.82		"	4.80		100	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22697 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BA22697-BS1)	LCS	Prepared: 01/31/2022 Analyzed: 02/01/2022									
Perfluorobutanesulfonic acid (PFBS)	4.34	0.245	ug/kg wet	4.33		100	50-130				
Perfluorohexanoic acid (PFHxA)	4.66	0.245	"	4.90		95.3	50-130				
Perfluoroheptanoic acid (PFHpA)	4.67	0.245	"	4.90		95.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.01	0.245	"	4.46		113	50-130				
Perfluorooctanoic acid (PFOA)	4.23	0.245	"	4.90		86.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.83	0.245	"	4.53		107	50-130				
Perfluorononanoic acid (PFNA)	4.70	0.245	"	4.90		96.0	50-130				
Perfluorodecanoic acid (PFDA)	4.19	0.245	"	4.90		85.6	50-130				
Perfluoroundecanoic acid (PFUnA)	4.69	0.245	"	4.90		95.8	50-130				
Perfluorododecanoic acid (PFDoA)	4.28	0.245	"	4.90		87.5	50-130				
Perfluorotridecanoic acid (PFTriDA)	3.97	0.245	"	4.90		81.1	50-130				
Perfluorotetradecanoic acid (PFTA)	4.50	0.245	"	4.90		92.0	50-130				
N-MeFOSAA	4.89	0.245	"	4.90		99.9	50-130				
N-EtFOSAA	5.00	0.245	"	4.90		102	50-130				
Perfluoropentanoic acid (PFPeA)	4.34	0.245	"	4.90		88.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.91	0.245	"	4.90		100	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.13	0.245	"	4.68		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.03	0.245	"	4.72		85.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.43	0.245	"	4.65		95.2	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	3.96	0.245	"	4.70		84.3	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.83	0.245	"	4.90		98.6	50-130				
Surrogate: M3PFBS	4.19		"	4.55		92.1	25-150				
Surrogate: M5PFHxA	4.78		"	4.90		97.7	25-150				
Surrogate: M4PFHpA	4.44		"	4.90		90.7	25-150				
Surrogate: M3PFHxS	3.83		"	4.63		82.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.26		"	4.90		107	25-150				
Surrogate: M6PFDA	4.57		"	4.90		93.3	25-150				
Surrogate: M7PFUdA	4.08		"	4.90		83.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.04		"	4.90		82.4	25-150				
Surrogate: M2PFTeDA	3.10		"	4.90		63.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.51		"	4.90		92.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.04		"	4.69		86.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.80		"	4.90		98.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.53		"	4.90		72.2	10-150				
Surrogate: d3-N-MeFOSAA	4.17		"	4.90		85.1	25-150				
Surrogate: d5-N-EtFOSAA	3.75		"	4.90		76.5	25-150				
Surrogate: M2-6:2 FTS	4.11		"	4.65		88.4	25-200				
Surrogate: M2-8:2 FTS	4.58		"	4.69		97.7	25-200				
Surrogate: M9PFNA	4.47		"	4.90		91.2	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22697 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BA22697-MS1)	Matrix Spike	*Source sample: 22A1088-02 (Matrix Spike)					Prepared: 01/31/2022 Analyzed: 02/01/2022	
Perfluorobutanesulfonic acid (PFBS)	4.45	0.257	ug/kg dry	4.56	ND	97.6	25-150	
Perfluorohexanoic acid (PFHxA)	5.10	0.257	"	5.15	ND	99.0	25-150	
Perfluoroheptanoic acid (PFHpA)	5.19	0.257	"	5.15	ND	101	25-150	
Perfluorohexanesulfonic acid (PFHxS)	4.77	0.257	"	4.69	ND	102	25-150	
Perfluorooctanoic acid (PFOA)	4.83	0.257	"	5.15	ND	93.8	25-150	
Perfluorooctanesulfonic acid (PFOS)	8.93	0.257	"	4.76	2.00	145	25-150	
Perfluorononanoic acid (PFNA)	4.99	0.257	"	5.15	ND	96.9	25-150	
Perfluorodecanoic acid (PFDA)	4.69	0.257	"	5.15	ND	91.1	25-150	
Perfluoroundecanoic acid (PFUnA)	5.37	0.257	"	5.15	ND	104	25-150	
Perfluorododecanoic acid (PFDoA)	4.75	0.257	"	5.15	ND	92.2	25-150	
Perfluorotridecanoic acid (PFTriDA)	4.82	0.257	"	5.15	ND	93.6	25-150	
Perfluorotetradecanoic acid (PFTA)	4.93	0.257	"	5.15	ND	95.8	25-150	
N-MeFOSAA	5.12	0.257	"	5.15	ND	99.5	25-150	
N-EtFOSAA	5.06	0.257	"	5.15	ND	98.2	25-150	
Perfluoropentanoic acid (PFPeA)	4.64	0.257	"	5.15	ND	90.1	25-150	
Perfluoro-1-octanesulfonamide (FOSA)	4.07	0.257	"	5.15	ND	79.0	25-150	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.44	0.257	"	4.92	ND	131	25-150	
Perfluoro-1-decanesulfonic acid (PFDS)	4.64	0.257	"	4.97	ND	93.4	25-150	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.21	0.257	"	4.89	ND	86.1	25-200	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.64	0.257	"	4.94	ND	93.9	25-200	
Perfluoro-n-butanoic acid (PFBA)	5.34	0.257	"	5.15	ND	104	25-150	
Surrogate: M3PFBS	4.05		"	4.78		84.7	25-150	
Surrogate: M5PFHxA	4.30		"	5.15		83.5	25-150	
Surrogate: M4PFHpA	4.20		"	5.15		81.5	25-150	
Surrogate: M3PFHxS	4.27		"	4.87		87.6	25-150	
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.58		"	5.15		88.9	25-150	
Surrogate: M6PFDA	4.09		"	5.15		79.5	25-150	
Surrogate: M7PFUdA	3.29		"	5.15		64.0	25-150	
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.31		"	5.15		64.3	25-150	
Surrogate: M2PFTeDA	3.12		"	5.15		60.6	10-150	
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.14		"	5.15		80.4	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.42		"	4.93		69.3	25-150	
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.57		"	5.15		88.7	25-150	
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.40		"	5.15		66.0	10-150	
Surrogate: d3-N-MeFOSAA	3.91		"	5.15		76.0	25-150	
Surrogate: d5-N-EtFOSAA	3.77		"	5.15		73.3	25-150	
Surrogate: M2-6:2 FTS	4.63		"	4.89		94.7	25-200	
Surrogate: M2-8:2 FTS	4.65		"	4.93		94.3	25-200	
Surrogate: M9PFNA	4.19		"	5.15		81.5	25-150	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22697 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BA22697-1 Matrix Spike Dup) Source sample: 22A1088-02 (Matrix Spike Dup)						Prepared: 01/31/2022 Analyzed: 02/01/2022					
Perfluorobutanesulfonic acid (PFBS)	4.75	0.261	ug/kg dry	4.63	ND	103	25-150		6.61	35	
Perfluorohexanoic acid (PFHxA)	4.85	0.261	"	5.23	ND	92.7	25-150		5.07	35	
Perfluoroheptanoic acid (PFHpA)	4.78	0.261	"	5.23	ND	91.4	25-150		8.37	35	
Perfluorohexanesulfonic acid (PFHxS)	4.96	0.261	"	4.76	ND	104	25-150		3.89	35	
Perfluorooctanoic acid (PFOA)	4.26	0.261	"	5.23	ND	81.4	25-150		12.6	35	
Perfluorooctanesulfonic acid (PFOS)	8.99	0.261	"	4.84	2.00	145	25-150		0.700	35	
Perfluorononanoic acid (PFNA)	5.22	0.261	"	5.23	ND	99.8	25-150		4.47	35	
Perfluorodecanoic acid (PFDA)	4.46	0.261	"	5.23	ND	85.3	25-150		5.08	35	
Perfluoroundecanoic acid (PFUnA)	5.38	0.261	"	5.23	ND	103	25-150		0.0499	35	
Perfluorododecanoic acid (PFDoA)	5.17	0.261	"	5.23	ND	98.8	25-150		8.49	35	
Perfluorotridecanoic acid (PFTriDA)	4.86	0.261	"	5.23	ND	93.0	25-150		0.857	35	
Perfluorotetradecanoic acid (PFTA)	5.04	0.261	"	5.23	ND	96.5	25-150		2.22	35	
N-MeFOSAA	5.36	0.261	"	5.23	ND	102	25-150		4.43	35	
N-EtFOSAA	5.38	0.261	"	5.23	ND	103	25-150		6.24	35	
Perfluoropentanoic acid (PFPeA)	4.87	0.261	"	5.23	ND	93.1	25-150		4.78	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.20	0.261	"	5.23	ND	99.4	25-150		24.4	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.42	0.261	"	4.99	ND	129	25-150		0.289	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.46	0.261	"	5.04	ND	88.3	25-150		4.07	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.62	0.261	"	4.97	ND	72.9	25-200		15.0	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.96	0.261	"	5.02	ND	98.8	25-200		6.54	35	
Perfluoro-n-butanoic acid (PFBA)	5.51	0.261	"	5.23	ND	105	25-150		3.18	35	
Surrogate: M3PFBS	4.01		"	4.86		82.6	25-150				
Surrogate: M5PFHxA	4.76		"	5.23		91.1	25-150				
Surrogate: M4PFHpA	4.68		"	5.23		89.5	25-150				
Surrogate: M3PFHxS	4.35		"	4.94		88.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.55		"	5.23		106	25-150				
Surrogate: M6PFDA	4.67		"	5.23		89.3	25-150				
Surrogate: M7PFUdA	3.48		"	5.23		66.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.36		"	5.23		64.3	25-150				
Surrogate: M2PFTeDA	2.88		"	5.23		55.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.29		"	5.23		82.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.55		"	5.00		70.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.60		"	5.23		88.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.04		"	5.23		58.2	10-150				
Surrogate: d3-N-MeFOSAA	4.10		"	5.23		78.4	25-150				
Surrogate: d5-N-EtFOSAA	3.99		"	5.23		76.4	25-150				
Surrogate: M2-6:2 FTS	6.16		"	4.96		124	25-200				
Surrogate: M2-8:2 FTS	5.07		"	5.01		101	25-200				
Surrogate: M9PFNA	4.45		"	5.23		85.2	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21152 - EPA 3550C

Blank (BB21152-BLK1)	Blank	Prepared: 02/01/2022 Analyzed: 02/02/2022									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								

Surrogate: Decachlorobiphenyl	0.0585	"	0.0664	88.1	30-150
Surrogate: Tetrachloro-m-xylene	0.0705	"	0.0664	106	30-150

LCS (BB21152-BS1)	LCS	Prepared: 02/01/2022 Analyzed: 02/02/2022									
4,4'-DDD	0.0271	0.00164	mg/kg wet	0.0332	81.5	40-140					
4,4'-DDE	0.0142	0.00164	"	0.0332	42.9	40-140					
4,4'-DDT	0.0156	0.00164	"	0.0332	46.9	40-140					
Aldrin	0.0279	0.00164	"	0.0332	84.1	40-140					
alpha-BHC	0.0316	0.00164	"	0.0332	95.0	40-140					
alpha-Chlordane	0.0256	0.00164	"	0.0332	77.1	40-140					
beta-BHC	0.0281	0.00164	"	0.0332	84.5	40-140					
delta-BHC	0.0221	0.00164	"	0.0332	66.6	40-140					
Dieldrin	0.0264	0.00164	"	0.0332	79.4	40-140					
Endosulfan I	0.0389	0.00164	"	0.0332	117	40-140					
Endosulfan II	0.0274	0.00164	"	0.0332	82.6	40-140					
Endosulfan sulfate	0.0205	0.00164	"	0.0332	61.8	40-140					
Endrin	0.0139	0.00164	"	0.0332	41.8	40-140					
Endrin aldehyde	0.0209	0.00164	"	0.0332	62.8	40-140					
Endrin ketone	0.0227	0.00164	"	0.0332	68.2	40-140					
gamma-BHC (Lindane)	0.0263	0.00164	"	0.0332	79.1	40-140					
gamma-Chlordane	0.0253	0.00164	"	0.0332	76.1	40-140					
Heptachlor	0.0186	0.00164	"	0.0332	56.1	40-140					
Heptachlor epoxide	0.0256	0.00164	"	0.0332	77.0	40-140					
Methoxychlor	0.0373	0.00164	"	0.0332	112	40-140					

Surrogate: Decachlorobiphenyl	0.0605	"	0.0664	91.1	30-150
Surrogate: Tetrachloro-m-xylene	0.0681	"	0.0664	102	30-150



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21152 - EPA 3550C

Matrix Spike (BB21152-MS1)	Matrix Spike	*Source sample: 22A1208-01 (Matrix Spike)					Prepared: 02/01/2022 Analyzed: 02/03/2022					
4,4'-DDD	0.0282	0.00176	mg/kg dry	0.0355	ND	79.4	30-150					
4,4'-DDE	0.0192	0.00176	"	0.0355	ND	54.0	30-150					
4,4'-DDT	0.0199	0.00176	"	0.0355	ND	56.0	30-150					
Aldrin	0.0323	0.00176	"	0.0355	ND	90.9	30-150					
alpha-BHC	0.0329	0.00176	"	0.0355	ND	92.6	30-150					
alpha-Chlordane	0.0388	0.00176	"	0.0355	0.00651	90.9	30-150					
beta-BHC	0.0357	0.00176	"	0.0355	ND	100	30-150					
delta-BHC	0.0265	0.00176	"	0.0355	ND	74.6	30-150					
Dieldrin	0.0323	0.00176	"	0.0355	ND	90.9	30-150					
Endosulfan I	0.0400	0.00176	"	0.0355	ND	113	30-150					
Endosulfan II	0.0307	0.00176	"	0.0355	ND	86.5	30-150					
Endosulfan sulfate	0.0282	0.00176	"	0.0355	ND	79.4	30-150					
Endrin	0.0225	0.00176	"	0.0355	ND	63.4	30-150					
Endrin aldehyde	0.0269	0.00176	"	0.0355	ND	75.8	30-150					
Endrin ketone	0.0301	0.00176	"	0.0355	ND	84.8	30-150					
gamma-BHC (Lindane)	0.0293	0.00176	"	0.0355	ND	82.5	30-150					
gamma-Chlordane	0.0374	0.00176	"	0.0355	0.00897	80.0	30-150					
Heptachlor	0.0248	0.00176	"	0.0355	ND	69.9	30-150					
Heptachlor epoxide	0.0276	0.00176	"	0.0355	ND	77.6	30-150					
Methoxychlor	0.0435	0.00176	"	0.0355	ND	122	30-150					
Surrogate: Decachlorobiphenyl	0.0623		"	0.0710		87.7	30-150					
Surrogate: Tetrachloro-m-xylene	0.0387		"	0.0710		54.5	30-150					

Matrix Spike Dup (BB21152-MS1)	Matrix Spike Dup	*Source sample: 22A1208-01 (Matrix Spike Dup)					Prepared: 02/01/2022 Analyzed: 02/03/2022					
4,4'-DDD	0.0276	0.00176	mg/kg dry	0.0355	ND	77.6	30-150		2.31	30		
4,4'-DDE	0.0146	0.00176	"	0.0355	ND	41.2	30-150		27.0	30		
4,4'-DDT	0.0157	0.00176	"	0.0355	ND	44.2	30-150		23.5	30		
Aldrin	0.0323	0.00176	"	0.0355	ND	90.9	30-150		0.0275	30		
alpha-BHC	0.0337	0.00176	"	0.0355	ND	94.8	30-150		2.27	30		
alpha-Chlordane	0.0388	0.00176	"	0.0355	0.00651	90.9	30-150		0.0229	30		
beta-BHC	0.0358	0.00176	"	0.0355	ND	101	30-150		0.303	30		
delta-BHC	0.0273	0.00176	"	0.0355	ND	76.9	30-150		2.99	30		
Dieldrin	0.0335	0.00176	"	0.0355	ND	94.2	30-150		3.53	30		
Endosulfan I	0.0449	0.00176	"	0.0355	ND	126	30-150		11.5	30		
Endosulfan II	0.0314	0.00176	"	0.0355	ND	88.3	30-150		2.02	30		
Endosulfan sulfate	0.0278	0.00176	"	0.0355	ND	78.3	30-150		1.37	30		
Endrin	0.0220	0.00176	"	0.0355	ND	62.0	30-150		2.15	30		
Endrin aldehyde	0.0251	0.00176	"	0.0355	ND	70.7	30-150		6.97	30		
Endrin ketone	0.0308	0.00176	"	0.0355	ND	86.8	30-150		2.30	30		
gamma-BHC (Lindane)	0.0297	0.00176	"	0.0355	ND	83.5	30-150		1.18	30		
gamma-Chlordane	0.0365	0.00176	"	0.0355	0.00897	77.6	30-150		2.32	30		
Heptachlor	0.0260	0.00176	"	0.0355	ND	73.1	30-150		4.51	30		
Heptachlor epoxide	0.0274	0.00176	"	0.0355	ND	77.2	30-150		0.426	30		
Methoxychlor	0.0428	0.00176	"	0.0355	ND	120	30-150		1.58	30		
Surrogate: Decachlorobiphenyl	0.0640		"	0.0710		90.0	30-150					
Surrogate: Tetrachloro-m-xylene	0.0392		"	0.0710		55.1	30-150					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1L0136 - BK12270

Performance Mix (Y1L0136-P Performance Mix)							Prepared & Analyzed: 11/30/2021				
4,4'-DDD	19.6		ng/mL	0.00			0-200				
4,4'-DDE	2.23		"	0.00			0-200				
4,4'-DDT	298		"	200		149	0-200				
Endrin	150		"	100		150	0-200				
Endrin aldehyde	2.82		"	0.00			0-200				
Endrin ketone	15.6		"	0.00			0-200				

Batch Y2B0302 - BL11334

Performance Mix (Y2B0302-P Performance Mix)							Prepared & Analyzed: 02/02/2022				
4,4'-DDD	23.4		ng/mL	0.00			0-200				
4,4'-DDE	1.96		"	0.00			0-200				
4,4'-DDT	230		"	200		115	0-200				
Endrin	147		"	100		147	0-200				
Endrin aldehyde	4.75		"	0.00			0-200				
Endrin ketone	18.3		"	0.00			0-200				

Batch Y2B0414 - BB21280

Performance Mix (Y2B0414-P Performance Mix)							Prepared & Analyzed: 02/03/2022				
4,4'-DDD	13.2		ng/mL	0.00			0-200				
4,4'-DDE	2.58		"	0.00			0-200				
4,4'-DDT	257		"	200		129	0-200				
Endrin	147		"	100		147	0-200				
Endrin aldehyde	3.79		"	0.00			0-200				
Endrin ketone	9.36		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21152 - EPA 3550C												
Blank (BB21152-BLK2)	Blank								Prepared: 02/01/2022 Analyzed: 02/02/2022			
Aroclor 1016	ND	0.0166	mg/kg wet									
Aroclor 1221	ND	0.0166	"									
Aroclor 1232	ND	0.0166	"									
Aroclor 1242	ND	0.0166	"									
Aroclor 1248	ND	0.0166	"									
Aroclor 1254	ND	0.0166	"									
Aroclor 1260	ND	0.0166	"									
Total PCBs	ND	0.0166	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0525		"	0.0664		79.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0498		"	0.0664		75.0	30-120					
LCS (BB21152-BS2)	LCS								Prepared: 02/01/2022 Analyzed: 02/02/2022			
Aroclor 1016	0.279	0.0166	mg/kg wet	0.332		84.0	40-130					
Aroclor 1260	0.291	0.0166	"	0.332		87.6	40-130					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0525		"	0.0664		79.0	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0475		"	0.0664		71.5	30-120					
Batch Y2B0128 - BB21148												
Aroclor Reference (Y2B0128-)	Aroclor Reference								Prepared & Analyzed: 02/01/2022			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.205		ug/mL	0.200		102						
<i>Surrogate: Decachlorobiphenyl</i>	0.216		"	0.200		108						



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21241 - EPA 3550C/8151A												
Blank (BB21241-BLK1)	Blank								Prepared & Analyzed: 02/02/2022			
2,4,5-T	ND	0.0200	mg/kg wet									
2,4,5-TP (Silvex)	ND	0.0200	"									
2,4-D	ND	0.0200	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.306		"	0.417		73.4	21-150					
LCS (BB21241-BS1)	LCS								Prepared & Analyzed: 02/02/2022			
2,4,5-T	0.0683	0.0200	mg/kg wet	0.133		51.3	10-120					
2,4,5-TP (Silvex)	0.0750	0.0200	"	0.133		56.3	10-120					
2,4-D	0.0767	0.0200	"	0.133		57.5	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.331		"	0.417		79.4	21-150					
Matrix Spike (BB21241-MS1)	Matrix Spike	*Source sample: 22A1150-05 (Matrix Spike)						Prepared & Analyzed: 02/02/2022				
2,4,5-T	0.0841	0.0219	mg/kg dry	0.146	ND	57.5	10-120					
2,4,5-TP (Silvex)	0.0868	0.0219	"	0.146	ND	59.4	10-120					
2,4-D	0.0896	0.0219	"	0.146	ND	61.2	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.363		"	0.457		79.4	21-150					
Matrix Spike Dup (BB21241-MS1)	Matrix Spike Dup	*Source sample: 22A1150-05 (Matrix Spike Dup)						Prepared & Analyzed: 02/02/2022				
2,4,5-T	0.0868	0.0219	mg/kg dry	0.146	ND	59.4	10-120		3.21	35		
2,4,5-TP (Silvex)	0.0905	0.0219	"	0.146	ND	61.9	10-120		4.12	35		
2,4-D	0.0996	0.0219	"	0.146	ND	68.1	10-118		10.6	35		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.380		"	0.457		83.2	21-150					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21207 - EPA 3050B

Blank (BB21207-BLK1)	Blank	Prepared: 02/01/2022 Analyzed: 02/02/2022									
Aluminum	11.2	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	15.9	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	9.17	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BB21207-DUP1)	Duplicate	*Source sample: 22A1230-04 (Duplicate) Prepared: 02/01/2022 Analyzed: 02/02/2022									
Aluminum	11500	5.29	mg/kg dry		15700				30.7	35	
Antimony	ND	2.64	"		ND					35	
Arsenic	ND	1.59	"		ND					35	
Barium	15.4	2.64	"		16.8			8.64	35		
Beryllium	ND	0.053	"		ND					35	
Cadmium	0.324	0.317	"		0.539			49.9	35		Non-dir.
Calcium	20200	5.29	"		23500			15.3	35		
Chromium	25.0	0.529	"		8.41			99.4	35		Non-dir.
Cobalt	11.2	0.423	"		13.2			16.7	35		
Copper	24.0	2.11	"		33.0			31.6	35		
Iron	18400	26.4	"		21600			16.4	35		
Lead	13.3	0.529	"		19.8			39.2	35		Non-dir.
Magnesium	11400	5.29	"		12900			11.9	35		
Manganese	183	0.529	"		277			40.6	35		Non-dir.
Nickel	11.7	1.06	"		9.15			24.5	35		
Potassium	246	5.29	"		287			15.6	35		
Selenium	ND	2.64	"		ND					35	
Silver	ND	0.529	"		ND					35	
Sodium	1690	52.9	"		2410			34.7	35		
Thallium	ND	2.64	"		ND					35	
Vanadium	55.6	1.06	"		69.6			22.4	35		
Zinc	878	2.64	"		1280			37.1	35		Non-dir.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21207 - EPA 3050B

Matrix Spike (BB21207-MS1)	Matrix Spike	*Source sample: 22A1230-04 (Matrix Spike)					Prepared: 02/01/2022 Analyzed: 02/02/2022					
Aluminum	19800	5.29	mg/kg dry	211	15700	NR	75-125	High Bias				
Antimony	6.46	2.64	"	26.4	ND	24.4	75-125	Low Bias				
Arsenic	219	1.59	"	211	ND	104	75-125					
Barium	266	2.64	"	211	16.8	118	75-125					
Beryllium	4.81	0.053	"	5.29	ND	91.0	75-125					
Cadmium	6.94	0.317	"	5.29	0.539	121	75-125					
Calcium	23300	5.29	"	106	23500	NR	75-125	Low Bias				
Chromium	38.2	0.529	"	21.1	8.41	141	75-125	High Bias				
Cobalt	83.4	0.423	"	52.9	13.2	133	75-125	High Bias				
Copper	158	2.11	"	26.4	33.0	472	75-125	High Bias				
Iron	39200	26.4	"	106	21600	NR	75-125	High Bias				
Lead	70.8	0.529	"	52.9	19.8	96.6	75-125					
Magnesium	19900	5.29	"	106	12900	NR	75-125	High Bias				
Manganese	565	0.529	"	52.9	277	546	75-125	High Bias				
Nickel	79.8	1.06	"	52.9	9.15	134	75-125	High Bias				
Potassium	335	5.29	"	106	287	45.5	75-125	Low Bias				
Selenium	159	2.64	"	211	ND	75.0	75-125					
Silver	7.90	0.529	"	5.29	ND	149	75-125	High Bias				
Sodium	2590	52.9	"	106	2410	170	75-125	High Bias				
Thallium	212	2.64	"	211	ND	100	75-125					
Vanadium	153	1.06	"	52.9	69.6	158	75-125	High Bias				
Zinc	3220	2.64	"	52.9	1280	NR	75-125	High Bias				

Post Spike (BB21207-PS1)	Post Spike	*Source sample: 22A1230-04 (Post Spike)					Prepared: 02/01/2022 Analyzed: 02/02/2022					
Aluminum	152		ug/mL	2.00	149	152	75-125	High Bias				
Antimony	0.277		"	0.250	0.004	109	75-125					
Arsenic	2.06		"	2.00	-0.022	103	75-125					
Barium	2.41		"	2.00	0.159	112	75-125					
Beryllium	0.047		"	0.0500	-0.007	94.8	75-125					
Cadmium	0.057		"	0.0500	0.005	104	75-125					
Calcium	226		"	1.00	222	335	75-125	High Bias				
Chromium	0.291		"	0.200	0.080	106	75-125					
Cobalt	0.673		"	0.500	0.125	110	75-125					
Copper	0.617		"	0.250	0.312	122	75-125					
Iron	207		"	1.00	205	279	75-125	High Bias				
Lead	0.724		"	0.500	0.187	107	75-125					
Magnesium	124		"	1.00	122	215	75-125	High Bias				
Manganese	3.10		"	0.500	2.62	97.3	75-125					
Nickel	0.684		"	0.500	0.087	120	75-125					
Potassium	3.85		"	1.00	2.72	113	75-125					
Selenium	1.68		"	2.00	-0.135	84.1	75-125					
Silver	0.054		"	0.0500	0.002	104	75-125					
Sodium	23.8		"	1.00	22.7	103	75-125					
Thallium	1.98		"	2.00	-0.002	99.2	75-125					
Vanadium	1.23		"	0.500	0.659	114	75-125					
Zinc	12.6		"	0.500	12.1	95.4	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21207 - EPA 3050B

Reference (BB21207-SRM1) Reference Prepared: 02/01/2022 Analyzed: 02/02/2022

Aluminum	10800	5.00	mg/kg wet	8130		133	49.9-150.1				
Antimony	75.6	2.50	"	134		56.4	19.3-250				
Arsenic	181	1.50	"	156		116	69.9-130.1				
Barium	296	2.50	"	239		124	74.9-124.7				
Beryllium	194	0.050	"	169		115	75.1-125.4				
Cadmium	159	0.300	"	137		116	75.2-124.8				
Calcium	5700	5.00	"	4760		120	72.7-127.5				
Chromium	181	0.500	"	154		118	70.1-129.9				
Cobalt	145	0.400	"	121		120	75-124.8				
Copper	70.2	2.00	"	54.9		128	74.9-125	High Bias			
Iron	16700	25.0	"	14100		119	34.9-164.5				
Lead	149	0.500	"	130		115	71.8-128.5				
Magnesium	2680	5.00	"	2320		116	62.1-137.9				
Manganese	330	0.500	"	269		123	74-126.4				
Nickel	79.8	1.00	"	53.9		148	69.9-129.9	High Bias			
Potassium	2400	5.00	"	2020		119	58.9-141.1				
Selenium	148	2.50	"	167		88.5	67.7-132.3				
Silver	39.2	0.500	"	33.6		117	68.5-131.3				
Sodium	162	50.0	"	133		122	35-165.4				
Thallium	122	2.50	"	112		109	67.9-131.3				
Vanadium	73.1	1.00	"	62.6		117	59.1-141.1				
Zinc	178	2.50	"	158		113	70.3-129.7				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21333 - EPA 7473 soil												
Blank (BB21333-BLK1)	Blank								Prepared & Analyzed: 02/03/2022			
Mercury	ND	0.0300	mg/kg wet									
Duplicate (BB21333-DUP1)	Duplicate	*Source sample: 22A1112-01 (Duplicate)								Prepared & Analyzed: 02/03/2022		
Mercury	ND	0.0366	mg/kg dry		ND						35	
Matrix Spike (BB21333-MS1)	Matrix Spike	*Source sample: 22A1112-01 (Matrix Spike)								Prepared & Analyzed: 02/03/2022		
Mercury	0.552		mg/kg	0.500	0.0127	108	75-125					
Reference (BB21333-SRM1)	Reference								Prepared & Analyzed: 02/03/2022			
Mercury	33.421		mg/kg	27.2		123	59.9-140.1					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22677 - Analysis Preparation Soil											
Blank (BA22677-BLK1)	Blank								Prepared & Analyzed: 01/31/2022		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BA22677-DUP1)	Duplicate								Prepared & Analyzed: 01/31/2022		
Cyanide, total	ND	0.586	mg/kg dry		ND					15	
Matrix Spike (BA22677-MS1)	Matrix Spike								Prepared & Analyzed: 01/31/2022		
Cyanide, total	9.82	0.586	mg/kg dry	11.7	ND	83.8	79.6-107				
Reference (BA22677-SRM1)	Reference								Prepared & Analyzed: 01/31/2022		
Cyanide, total	113		ug/mL	86.8		131	41.82-157.83				
Batch BA22687 - EPA SW846-3060											
Blank (BA22687-BLK1)	Blank								Prepared & Analyzed: 01/31/2022		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BA22687-DUP1)	Duplicate								Prepared & Analyzed: 01/31/2022		
Chromium, Hexavalent	ND	0.520	mg/kg dry		ND					35	
Matrix Spike (BA22687-MS1)	Matrix Spike								Prepared & Analyzed: 01/31/2022		
Chromium, Hexavalent	15.9	0.520	mg/kg dry	20.8	ND	76.6	75-125				
Reference (BA22687-SRM1)	Reference								Prepared & Analyzed: 01/31/2022		
Chromium, Hexavalent	82.9		mg/L	109		76.1	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA22739 - % Solids Prep

Duplicate (BA22739-DUP1)	Duplicate	*Source sample: 22A1159-01 (Duplicate)					Prepared & Analyzed: 01/31/2022					
% Solids	91.3	0.100	%		92.2				0.915	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22A1171-01	054_TB_20220128	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22A1171-02	055_LSB-13_15-17	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
PF-CCV-H	The CCV recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/08/2022

Client Project ID: 100963701

York Project (SDG) No.: 22B0047

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 02/08/2022
Client Project ID: 100963701
York Project (SDG) No.: 22B0047

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 01, 2022 and listed below. The project was identified as your project: **100963701**.

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>
22B0047-01	056_LSB-14_15-17	Soil	02/01/2022	02/01/2022
22B0047-02	057_DUP_4	Soil	02/01/2022	02/01/2022
22B0047-03	058_LSB-15_15-17	Soil	02/01/2022	02/01/2022
22B0047-04	059_FB_20220201	Water	02/01/2022	02/01/2022
22B0047-05	060_TB_20220201	Water	02/01/2022	02/01/2022
22B0047-06	061_MW-7_20220201	Water	02/01/2022	02/01/2022

General Notes for York Project (SDG) No.: 22B0047

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: 02/08/2022





Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:20	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:20	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 9:00 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:20	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
67-64-1	Acetone	0.0050	CCV-E, J	mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC





Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 9:00 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:20	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:20	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.6 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 9:00 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 9:00 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 18:39	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	49.9 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	62.8 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	73.8 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	62.7 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	81.0 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	68.4 %			24-116						

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 17:52	KH	
Surrogate Recoveries		Result			Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %			39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:34	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	82.5 %	25-150
Surrogate: M5PFHxA	90.9 %	25-150
Surrogate: M4PFHpA	93.0 %	25-150
Surrogate: M3PFHxS	98.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	86.1 %	25-150
Surrogate: M6PFDA	95.3 %	25-150
Surrogate: M7PFUDA	75.8 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	73.0 %	25-150
Surrogate: M2PFTeDA	63.6 %	10-150



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	88.1 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	82.3 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	90.8 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	72.9 %			10-150					
	Surrogate: d3-N-MeFOSAA	77.0 %			25-150					
	Surrogate: d5-N-EtFOSAA	74.8 %			25-150					
	Surrogate: M2-6:2 FTS	79.3 %			25-200					
	Surrogate: M2-8:2 FTS	71.9 %			25-200					
	Surrogate: M9PFNA	83.2 %			25-150					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/02/2022 07:51	02/03/2022 14:47	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/02/2022 07:51	02/03/2022 14:47	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/02/2022 07:51	02/03/2022 14:47	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:47	CM
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications:	02/02/2022 07:51	02/03/2022 14:47	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	83.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	02/02/2022 07:51	02/03/2022 05:04	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.5 %	30-120							



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	82.5 %			30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:25	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:25	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:25	BJ

Surrogate Recoveries

Result

Acceptance Range

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 24.6 %				21-150					
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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	15000		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-36-0	Antimony	6.86		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-39-3	Barium	131		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-43-9	Cadmium	0.395		mg/kg dry	0.345	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-70-2	Calcium	2430	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-47-3	Chromium	42.2		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-48-4	Cobalt	15.8		mg/kg dry	0.460	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-50-8	Copper	35.6		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7439-89-6	Iron	29600		mg/kg dry	28.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH



Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 9:00 am	<u>Date Received</u> 02/01/2022
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	10.1		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7439-95-4	Magnesium	7420	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7439-96-5	Manganese	249		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-02-0	Nickel	36.7		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-09-7	Potassium	6630	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-22-4	Silver	1.79		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-23-5	Sodium	321	B	mg/kg dry	57.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-62-2	Vanadium	51.9		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH
7440-66-6	Zinc	60.9		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:17	RTH

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	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/04/2022 09:00	02/04/2022 13:47	BR

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	0.575	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/02/2022 08:59	02/02/2022 16:11	JAMT

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
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Sample Information

Client Sample ID: 056_LSB-14_15-17

York Sample ID: 22B0047-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 9:00 am

02/01/2022

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	0.575	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 08:42	02/02/2022 13:50	TJA

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	87.0		%	0.100	1	SM 2540G Certifications: CTDOH	02/02/2022 11:56	02/02/2022 13:52	VR





Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:47	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:47	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:47	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
67-64-1	Acetone	0.0088	CCV-E	mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-09-2	Methylene chloride	0.0056	J	mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 14:47	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 14:47	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	116 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.5 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
62-53-3	Aniline	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
92-87-5	Benzdine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0969	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
108-95-2	Phenol	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0486	0.0969	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:58	02/04/2022 19:08	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	71.0 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	70.5 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	86.2 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	71.6 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	71.6 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	73.5 %			24-116						

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 18:09	KH	
Surrogate Recoveries		Result			Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	40.0 %			39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:50 am	<u>Date Received</u> 02/01/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:47	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	79.5 %	25-150
Surrogate: M5PFHxA	87.0 %	25-150
Surrogate: M4PFHpA	87.6 %	25-150
Surrogate: M3PFHxS	85.4 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	90.8 %	25-150
Surrogate: M6PFDA	88.2 %	25-150
Surrogate: M7PFUDA	67.4 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	64.8 %	25-150
Surrogate: M2PFTeDA	61.6 %	10-150



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:50 am	<u>Date Received</u> 02/01/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	82.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	74.9 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic a	89.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	68.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	67.3 %			25-150					
	Surrogate: d5-N-EtFOSAA	70.5 %			25-150					
	Surrogate: M2-6:2 FTS	65.2 %			25-200					
	Surrogate: M2-8:2 FTS	85.3 %			25-200					
	Surrogate: M9PFNA	82.3 %			25-150					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/02/2022 07:51	02/03/2022 15:03	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/02/2022 07:51	02/03/2022 15:03	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:50 am	<u>Date Received</u> 02/01/2022
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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/02/2022 07:51	02/03/2022 15:03	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:03	CM
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0381	5	EPA 8081B Certifications:	02/02/2022 07:51	02/03/2022 15:03	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	90.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.1 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:19	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	02/02/2022 07:51	02/03/2022 05:19	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	81.0 %	30-120							



Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:50 am

02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	83.0 %			30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:36	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:36	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:36	BJ

Surrogate Recoveries

Result

Acceptance Range

19719-28-9 Surrogate: 2,4-Dichlorophenylacetic acid (. 45.4 %

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	9590		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-36-0	Antimony	3.26		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-39-3	Barium	70.9		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.352	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-70-2	Calcium	2270	B	mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-47-3	Chromium	25.7		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-48-4	Cobalt	8.29		mg/kg dry	0.469	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-50-8	Copper	19.7		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7439-89-6	Iron	21000		mg/kg dry	29.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH





Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:50 am	<u>Date Received</u> 02/01/2022
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	9.46		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7439-95-4	Magnesium	3120	B	mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7439-96-5	Manganese	114		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-02-0	Nickel	25.7		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-09-7	Potassium	2660	B	mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-22-4	Silver	0.904		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-23-5	Sodium	124	B	mg/kg dry	58.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-62-2	Vanadium	29.6		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH
7440-66-6	Zinc	37.4		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:20	RTH

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	0.0352	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/04/2022 09:00	02/04/2022 13:56	BR

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	0.587	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/02/2022 08:59	02/02/2022 16:11	JAMT

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
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Sample Information

Client Sample ID: 057_DUP_4

York Sample ID: 22B0047-02

York Project (SDG) No.
22B0047

Client Project ID
100963701

Matrix
Soil

Collection Date/Time
February 1, 2022 10:50 am

Date Received
02/01/2022

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	0.587	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 08:42	02/02/2022 13:50	TJA

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	85.2		%	0.100	1	SM 2540G Certifications: CTDOH	02/02/2022 11:56	02/02/2022 13:52	VR



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:45 am	<u>Date Received</u> 02/01/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 15:15	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 15:15	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:45 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.078	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 15:15	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
67-64-1	Acetone	0.0094	CCV-E	mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No. 22B0047

Client Project ID 100963701

Matrix Soil

Collection Date/Time February 1, 2022 10:45 am

Date Received 02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:45 am

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:12	02/02/2022 15:15	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:12	02/02/2022 15:15	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	117 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:45 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:45 am	<u>Date Received</u> 02/01/2022
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
62-53-3	Aniline	ND		mg/kg dry	0.196	0.391	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
92-87-5	Benzdine	ND		mg/kg dry	0.196	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Soil

February 1, 2022 10:45 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0977	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

22B0047

100963701

Soil

February 1, 2022 10:45 am

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
108-95-2	Phenol	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
110-86-1	Pyridine	ND		mg/kg dry	0.196	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:18	02/04/2022 17:39	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	63.3 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	62.0 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	72.2 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	62.6 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	58.1 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	64.2 %			24-116						

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/08/2022 12:41	KH	
Surrogate Recoveries		Result			Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	38.0 %	S-08		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.

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100963701

Soil

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 12:59	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	76.1 %	25-150
Surrogate: M5PFHxA	85.6 %	25-150
Surrogate: M4PFHpA	85.1 %	25-150
Surrogate: M3PFHxS	84.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	84.1 %	25-150
Surrogate: M6PFDA	76.1 %	25-150
Surrogate: M7PFUDA	69.0 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	61.8 %	25-150
Surrogate: M2PFTeDA	60.4 %	10-150



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:45 am	<u>Date Received</u> 02/01/2022
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic aci	80.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	66.4 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic a	84.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	61.3 %			10-150					
	Surrogate: d3-N-MeFOSAA	58.9 %			25-150					
	Surrogate: d5-N-EtFOSAA	60.5 %			25-150					
	Surrogate: M2-6:2 FTS	74.8 %			25-200					
	Surrogate: M2-8:2 FTS	71.7 %			25-200					
	Surrogate: M9PFNA	76.9 %			25-150					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/02/2022 07:51	02/03/2022 15:20	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/02/2022 07:51	02/03/2022 15:20	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:45 am	<u>Date Received</u> 02/01/2022
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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/02/2022 07:51	02/03/2022 15:20	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 15:20	CM
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0384	5	EPA 8081B Certifications:	02/02/2022 07:51	02/03/2022 15:20	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	90.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	102 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 05:34	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications:	02/02/2022 07:51	02/03/2022 05:34	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	85.0 %	30-120							



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:45 am	<u>Date Received</u> 02/01/2022
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	91.5 %			30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0233	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:47	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0233	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:47	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0233	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 13:41	02/04/2022 15:47	BJ
Surrogate Recoveries		Result			Acceptance Range					
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (16.0 %	S-04		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	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-36-0	Antimony	3.95		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-38-2	Arsenic	ND		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-39-3	Barium	91.6		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-43-9	Cadmium	ND		mg/kg dry	0.355	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-70-2	Calcium	1950	B	mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-47-3	Chromium	26.4		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-48-4	Cobalt	12.2		mg/kg dry	0.473	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-50-8	Copper	24.0		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7439-89-6	Iron	21500		mg/kg dry	29.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH



Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Soil	<u>Collection Date/Time</u> February 1, 2022 10:45 am	<u>Date Received</u> 02/01/2022
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	8.21		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7439-95-4	Magnesium	4200	B	mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7439-96-5	Manganese	152		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-02-0	Nickel	29.0		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-09-7	Potassium	3740	B	mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-22-4	Silver	1.00		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-23-5	Sodium	148	B	mg/kg dry	59.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-28-0	Thallium	ND		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-62-2	Vanadium	38.8		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH
7440-66-6	Zinc	43.6		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 14:36	02/03/2022 18:23	RTH

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	0.0355	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/04/2022 09:00	02/04/2022 14:05	BR

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,NELAC-NY10854,PADEP	02/02/2022 08:59	02/02/2022 16:11	JAMT

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
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Sample Information

Client Sample ID: 058_LSB-15_15-17

York Sample ID: 22B0047-03

York Project (SDG) No.
22B0047

Client Project ID
100963701

Matrix
Soil

Collection Date/Time
February 1, 2022 10:45 am

Date Received
02/01/2022

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,NJDEP,PADEP	02/02/2022 08:42	02/02/2022 13:50	TJA

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	84.5		%	0.100	1	SM 2540G Certifications: CTDOH	02/02/2022 11:56	02/02/2022 13:52	VR



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:50	02/02/2022 14:13	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 1, 2022 12:00 pm	<u>Date Received</u> 02/01/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-09-2	Methylene chloride	1.14		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

York Project (SDG) No.

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100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:13	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:50	02/02/2022 14:13	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %			79-122						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH



Sample Information

Client Sample ID: 059_FB_20220201

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100963701

Water

February 1, 2022 12:00 pm

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

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22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4-Nitroaniline, 4-Nitrophenol, Acetophenone, Aniline, Benzaldehyde, Benzidine, Benzoic acid, Benzyl alcohol, Benzyl butyl phthalate, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Caprolactam, Carbazole, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Isophorone, N-nitroso-di-n-propylamine.



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

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22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 12:04	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	35.1 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	19.5 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.1 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	98.6 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.1 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.03		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH



Sample Information

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100963701

Water

February 1, 2022 12:00 pm

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/03/2022 07:51	02/07/2022 11:00	KH
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	KH
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:51	02/07/2022 11:00	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	02/03/2022 08:05	02/04/2022 15:16	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	60.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL



Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

York Project (SDG) No.

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Collection Date/Time

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22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:03	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS

83.6 %

25-150

Surrogate: M5PFHxA

85.7 %

25-150

Surrogate: M4PFHpA

91.5 %

25-150



Sample Information

Client Sample ID: 059_FB_20220201

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100963701

Water

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	89.2 %			25-150					
	Surrogate: Perfluoro-n-[13C8]octanoic aci	88.5 %			25-150					
	Surrogate: M6PFDA	93.0 %			25-150					
	Surrogate: M7PFUdA	81.2 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	65.2 %			25-150					
	Surrogate: M2PFTeDA	51.3 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic aci	83.6 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	85.6 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic a	89.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfor	40.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	69.2 %			25-150					
	Surrogate: d5-N-EtFOSAA	74.8 %			25-150					
	Surrogate: M2-6:2 FTS	92.5 %			25-200					
	Surrogate: M2-8:2 FTS	87.5 %			25-200					
	Surrogate: M9PFNA	88.8 %			25-150					

Pesticides, 8081 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM



Sample Information

Client Sample ID: 059_FB_20220201

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100963701

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Pesticides, 8081 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 08:16	CM
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	02/02/2022 12:08	02/04/2022 08:16	CM

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	59.9 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	58.1 %	30-150

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/02/2022 12:08	02/04/2022 02:08	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	02/02/2022 12:08	02/04/2022 02:08	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	82.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	73.5 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 07:00	02/07/2022 13:12	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 07:00	02/07/2022 13:12	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 07:00	02/07/2022 13:12	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (57.8 %		30-150						

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1.90		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-70-2	Calcium	0.360	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH





Sample Information

Client Sample ID: 059_FB_20220201

York Sample ID: 22B0047-04

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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	0.0710		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7439-96-5	Manganese	0.0180		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-09-7	Potassium	0.598	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH
7440-66-6	Zinc	0.517		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:56	02/03/2022 14:38	RTH

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,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:59	02/04/2022 13:44	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:59	02/04/2022 13:44	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:59	02/04/2022 13:44	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:59	02/04/2022 13:44	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:59	02/04/2022 13:44	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 08:59	02/04/2022 13:44	BML

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,NELAC-NY10854,NJDEP,PADEP	02/01/2022 19:08	02/01/2022 19:08	AA



Sample Information

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Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/01/2022 22:13	02/01/2022 22:37	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	02/02/2022 08:45	02/02/2022 13:54	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: 060_TB_20220201

York Sample ID: 22B0047-05

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 1, 2022 12:00 pm	<u>Date Received</u> 02/01/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:50	02/02/2022 13:46	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG



Sample Information

Client Sample ID: 060_TB_20220201

York Sample ID: 22B0047-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG



Sample Information

Client Sample ID: 060_TB_20220201

York Sample ID: 22B0047-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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22B0047

100963701

Water

February 1, 2022 12:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG



Sample Information

Client Sample ID: 060_TB_20220201

York Sample ID: 22B0047-05

<u>York Project (SDG) No.</u> 22B0047	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 1, 2022 12:00 pm	<u>Date Received</u> 02/01/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 13:46	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:50	02/02/2022 13:46	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %	79-122



Sample Information

Client Sample ID: 061_MW-7_20220201

York Sample ID: 22B0047-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 3:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:50	02/02/2022 14:39	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG



Sample Information

Client Sample ID: 061_MW-7_20220201

York Sample ID: 22B0047-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 3:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
78-93-3	2-Butanone	6.48	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
67-64-1	Acetone	2.67		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
71-43-2	Benzene	0.600		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
67-66-3	Chloroform	10.5		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
156-59-2	cis-1,2-Dichloroethylene	53.7		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG



Sample Information

Client Sample ID: 061_MW-7_20220201

York Sample ID: 22B0047-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 3:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
100-41-4	Ethyl Benzene	0.410		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-09-2	Methylene chloride	1.76		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
100-42-5	Styrene	0.510		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
127-18-4	Tetrachloroethylene	24.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG



Sample Information

Client Sample ID: 061_MW-7_20220201

York Sample ID: 22B0047-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0047

100963701

Water

February 1, 2022 3:00 pm

02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	0.770		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
156-60-5	trans-1,2-Dichloroethylene	0.480		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
79-01-6	Trichloroethylene	54.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
75-01-4	Vinyl Chloride	0.410		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/02/2022 06:50	02/02/2022 14:39	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/02/2022 06:50	02/02/2022 14:39	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								



Analytical Batch Summary

Batch ID: BB21230 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/01/22
BB21230-BLK1	Blank	02/01/22
BB21230-BS1	LCS	02/01/22
BB21230-DUP1	Duplicate	02/01/22
BB21230-MS1	Matrix Spike	02/01/22

Batch ID: BB21232 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/01/22
BB21232-BLK1	Blank	02/01/22
BB21232-BS1	LCS	02/01/22
BB21232-DUP1	Duplicate	02/01/22
BB21232-MS1	Matrix Spike	02/01/22

Batch ID: BB21238 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21238-BLK1	Blank	02/02/22
BB21238-BLK2	Blank	02/02/22
BB21238-BS1	LCS	02/02/22
BB21238-BS2	LCS	02/02/22

Batch ID: BB21243 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21243-BLK1	Blank	02/02/22
BB21243-DUP1	Duplicate	02/02/22
BB21243-MS1	Matrix Spike	02/02/22
BB21243-SRM1	Reference	02/02/22

Batch ID: BB21244 **Preparation Method:** Analysis Preparation **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
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22B0047-04	059_FB_20220201	02/02/22
BB21244-BLK1	Blank	02/02/22
BB21244-BS1	LCS	02/02/22
BB21244-DUP1	Duplicate	02/02/22
BB21244-MS1	Matrix Spike	02/02/22

Batch ID: BB21248 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/02/22
BB21248-BLK1	Blank	02/02/22
BB21248-BS1	LCS	02/02/22
BB21248-DUP1	Duplicate	02/02/22
BB21248-MS1	Matrix Spike	02/02/22
BB21248-PS1	Post Spike	02/02/22

Batch ID: BB21249 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/02/22
BB21249-BLK1	Blank	02/02/22
BB21249-BS1	LCS	02/02/22
BB21249-DUP1	Duplicate	02/02/22
BB21249-MS1	Matrix Spike	02/02/22

Batch ID: BB21252 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21252-BLK1	Blank	02/02/22
BB21252-DUP1	Duplicate	02/02/22
BB21252-MS1	Matrix Spike	02/02/22
BB21252-SRM1	Reference	02/02/22

Batch ID: BB21270 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21270-DUP1	Duplicate	02/02/22

Batch ID: BB21274 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/02/22



22B0047-04	059_FB_20220201	02/02/22
BB21274-BLK1	Blank	02/02/22
BB21274-BLK2	Blank	02/02/22
BB21274-BS1	LCS	02/02/22
BB21274-BS2	LCS	02/02/22
BB21274-MS1	Matrix Spike	02/02/22
BB21274-MS2	Matrix Spike	02/02/22
BB21274-MSD1	Matrix Spike Dup	02/02/22
BB21274-MSD2	Matrix Spike Dup	02/02/22

Batch ID: BB21276 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21276-BLK1	Blank	02/02/22
BB21276-BS1	LCS	02/02/22
BB21276-MS1	Matrix Spike	02/02/22
BB21276-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21278 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-03	058_LSB-15_15-17	02/02/22
BB21278-BLK1	Blank	02/02/22
BB21278-BS1	LCS	02/02/22

Batch ID: BB21281 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21281-BLK1	Blank	02/02/22
BB21281-BLK2	Blank	02/02/22
BB21281-BLK3	Blank	02/02/22
BB21281-BLK4	Blank	02/02/22
BB21281-BS1	LCS	02/02/22
BB21281-BSD1	LCS Dup	02/02/22

Batch ID: BB21282 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/02/22
BB21282-BLK1	Blank	02/02/22
BB21282-BS1	LCS	02/02/22
BB21282-MS1	Matrix Spike	02/02/22
BB21282-MSD1	Matrix Spike Dup	02/02/22



Batch ID: BB21285

Preparation Method: EPA 3050B

Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21285-BLK1	Blank	02/02/22
BB21285-DUP1	Duplicate	02/02/22
BB21285-MS1	Matrix Spike	02/02/22
BB21285-PS1	Post Spike	02/02/22
BB21285-SRM1	Reference	02/02/22

Batch ID: BB21290

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/02/22
22B0047-05	060_TB_20220201	02/02/22
22B0047-06	061_MW-7_20220201	02/02/22
BB21290-BLK1	Blank	02/02/22
BB21290-BS1	LCS	02/02/22
BB21290-BSD1	LCS Dup	02/02/22

Batch ID: BB21294

Preparation Method: SPE PFAS Extraction-Soil-EPA 537m

Prepared By: WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/02/22
22B0047-02	057_DUP_4	02/02/22
22B0047-03	058_LSB-15_15-17	02/02/22
BB21294-BLK1	Blank	02/02/22
BB21294-BS1	LCS	02/02/22
BB21294-MS1	Matrix Spike	02/02/22
BB21294-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21308

Preparation Method: EPA 3510C

Prepared By: FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/03/22
BB21308-BLK1	Blank	02/03/22
BB21308-BS1	LCS	02/03/22

Batch ID: BB21311

Preparation Method: EPA 3546 SVOA

Prepared By: NN

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/03/22
22B0047-02	057_DUP_4	02/03/22
BB21311-BLK1	Blank	02/03/22
BB21311-BS1	LCS	02/03/22



BB21311-MS1 Matrix Spike 02/03/22

Batch ID: BB21315 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/03/22
BB21315-BLK1	Blank	02/03/22
BB21315-BS1	LCS	02/03/22
BB21315-MS1	Matrix Spike	02/03/22
BB21315-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21349 **Preparation Method:** EPA 8151A **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-04	059_FB_20220201	02/04/22
BB21349-BLK1	Blank	02/04/22
BB21349-BS1	LCS	02/04/22
BB21349-MS1	Matrix Spike	02/03/22
BB21349-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21350 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/03/22
22B0047-02	057_DUP_4	02/03/22
22B0047-03	058_LSB-15_15-17	02/03/22
BB21350-BLK1	Blank	02/03/22
BB21350-BS1	LCS	02/03/22
BB21350-MS1	Matrix Spike	02/03/22
BB21350-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21412 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0047-01	056_LSB-14_15-17	02/04/22
22B0047-02	057_DUP_4	02/04/22
22B0047-03	058_LSB-15_15-17	02/04/22
BB21412-BLK1	Blank	02/04/22
BB21412-DUP1	Duplicate	02/04/22
BB21412-MS1	Matrix Spike	02/04/22
BB21412-SRM1	Reference	02/04/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK1)	Blank	Prepared & Analyzed: 02/02/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK1)	Blank	Prepared & Analyzed: 02/02/2022									
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	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	55.0		ug/L	50.0		110	77-125				
Surrogate: SURR: Toluene-d8	49.6		"	50.0		99.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.6		"	50.0		95.1	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK2) MeOH Blank

Prepared & Analyzed: 02/02/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK2)	MeOH Blank	Prepared & Analyzed: 02/02/2022									
Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	56.1		ug/L	50.0		112	77-125				
Surrogate: SURRE: Toluene-d8	49.8		"	50.0		99.5	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.0		"	50.0		96.0	76-130				

Blank (BB21281-BLK3)	HB-22B0047	Prepared & Analyzed: 02/02/2022									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK3) HB-22B0047

Prepared & Analyzed: 02/02/2022

2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK3) HB-22B0047

Prepared & Analyzed: 02/02/2022

Surrogate: SURR: 1,2-Dichloroethane-d4	54.4		ug/L	50.0		109	77-125				
Surrogate: SURR: Toluene-d8	49.5		"	50.0		99.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.3	76-130				

Blank (BB21281-BLK4) HB-22B0044

Prepared & Analyzed: 02/02/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

Blank (BB21281-BLK4) HB-22B0044

Prepared & Analyzed: 02/02/2022

Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	55.9		ug/L	50.0		112	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.6		"	50.0		99.2	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.5		"	50.0		97.0	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

LCS (BB21281-BS1)	LCS	Prepared & Analyzed: 02/02/2022									
1,1,1,2-Tetrachloroethane	53.3		ug/L	50.0		107	75-129				
1,1,1-Trichloroethane	53.4		"	50.0		107	71-137				
1,1,2,2-Tetrachloroethane	45.2		"	50.0		90.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		92.1	58-146				
1,1,2-Trichloroethane	46.8		"	50.0		93.6	83-123				
1,1-Dichloroethane	44.8		"	50.0		89.7	75-130				
1,1-Dichloroethylene	44.4		"	50.0		88.8	64-137				
1,1-Dichloropropylene	45.3		"	50.0		90.6	77-127				
1,2,3-Trichlorobenzene	53.1		"	50.0		106	81-140				
1,2,3-Trichloropropane	50.1		"	50.0		100	81-126				
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	49.7		"	50.0		99.5	84-125				
1,2-Dibromo-3-chloropropane	48.3		"	50.0		96.6	74-142				
1,2-Dibromoethane	49.5		"	50.0		98.9	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	49.4		"	50.0		98.7	71-133				
1,2-Dichloropropane	43.2		"	50.0		86.5	81-122				
1,3,5-Trimethylbenzene	49.0		"	50.0		98.0	82-126				
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124				
1,3-Dichloropropane	45.6		"	50.0		91.2	83-123				
1,4-Dichlorobenzene	50.4		"	50.0		101	84-124				
1,4-Dioxane	1040		"	1050		98.7	10-228				
2,2-Dichloropropane	55.6		"	50.0		111	67-136				
2-Butanone	42.2		"	50.0		84.3	58-147				
2-Chlorotoluene	49.6		"	50.0		99.3	78-127				
2-Hexanone	41.7		"	50.0		83.4	70-139				
4-Chlorotoluene	48.5		"	50.0		97.0	79-125				
4-Methyl-2-pentanone	40.1		"	50.0		80.1	72-132				
Acetone	36.1		"	50.0		72.3	36-155				
Acrolein	25.2		"	50.0		50.3	10-238				
Acrylonitrile	41.1		"	50.0		82.2	66-141				
Benzene	44.7		"	50.0		89.5	77-127				
Bromobenzene	46.4		"	50.0		92.8	77-129				
Bromochloromethane	42.2		"	50.0		84.3	74-129				
Bromodichloromethane	51.6		"	50.0		103	81-124				
Bromoform	56.3		"	50.0		113	80-136				
Bromomethane	52.6		"	50.0		105	32-177				
Carbon disulfide	46.6		"	50.0		93.2	10-136				
Carbon tetrachloride	56.2		"	50.0		112	66-143				
Chlorobenzene	50.7		"	50.0		101	86-120				
Chloroethane	43.9		"	50.0		87.8	51-142				
Chloroform	50.6		"	50.0		101	76-131				
Chloromethane	26.5		"	50.0		52.9	49-132				
cis-1,2-Dichloroethylene	44.8		"	50.0		89.6	74-132				
cis-1,3-Dichloropropylene	49.8		"	50.0		99.7	81-129				
Cyclohexane	38.8		"	50.0		77.5	70-130				
Dibromochloromethane	55.1		"	50.0		110	10-200				
Dibromomethane	47.2		"	50.0		94.4	83-124				
Dichlorodifluoromethane	23.8		"	50.0		47.6	28-158				
Ethyl Benzene	48.3		"	50.0		96.6	84-125				
Hexachlorobutadiene	57.3		"	50.0		115	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS (BB21281-BS1)	LCS										Prepared & Analyzed: 02/02/2022
Isopropylbenzene	50.2		ug/L	50.0		100	81-127				
Methyl acetate	36.2		"	50.0		72.5	41-143				
Methyl tert-butyl ether (MTBE)	44.7		"	50.0		89.4	74-131				
Methylcyclohexane	43.8		"	50.0		87.5	70-130				
Methylene chloride	41.9		"	50.0		83.7	57-141				
n-Butylbenzene	51.1		"	50.0		102	80-130				
n-Propylbenzene	47.8		"	50.0		95.5	74-136				
o-Xylene	50.7		"	50.0		101	83-123				
p- & m- Xylenes	98.5		"	100		98.5	82-128				
p-Isopropyltoluene	51.2		"	50.0		102	85-125				
sec-Butylbenzene	48.9		"	50.0		97.8	83-125				
Styrene	47.3		"	50.0		94.6	86-126				
tert-Butyl alcohol (TBA)	228		"	250		91.2	70-130				
tert-Butylbenzene	50.6		"	50.0		101	80-127				
Tetrachloroethylene	45.4		"	50.0		90.9	80-129				
Toluene	46.4		"	50.0		92.9	85-121				
trans-1,2-Dichloroethylene	45.2		"	50.0		90.4	72-132				
trans-1,3-Dichloropropylene	51.3		"	50.0		103	78-132				
Trichloroethylene	48.2		"	50.0		96.5	84-123				
Trichlorofluoromethane	50.8		"	50.0		102	62-140				
Vinyl acetate	39.4		"	50.0		78.8	67-136				
Vinyl Chloride	34.3		"	50.0		68.6	52-130				
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	<i>54.8</i>		<i>"</i>	<i>50.0</i>		<i>110</i>	<i>77-125</i>				
<i>Surrogate: Surr: Toluene-d8</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>85-120</i>				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.2</i>	<i>76-130</i>				
LCS Dup (BB21281-BS1)	LCS Dup										Prepared & Analyzed: 02/02/2022
1,1,1,2-Tetrachloroethane	54.3		ug/L	50.0		109	75-129		1.93	30	
1,1,1-Trichloroethane	52.9		"	50.0		106	71-137		0.978	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.8	79-129		4.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.2		"	50.0		90.3	58-146		1.97	30	
1,1,2-Trichloroethane	47.9		"	50.0		95.8	83-123		2.32	30	
1,1-Dichloroethane	43.8		"	50.0		87.7	75-130		2.28	30	
1,1-Dichloroethylene	44.1		"	50.0		88.2	64-137		0.700	30	
1,1-Dichloropropylene	44.9		"	50.0		89.9	77-127		0.798	30	
1,2,3-Trichlorobenzene	53.8		"	50.0		108	81-140		1.27	30	
1,2,3-Trichloropropane	51.5		"	50.0		103	81-126		2.68	30	
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141		0.0552	30	
1,2,4-Trimethylbenzene	49.7		"	50.0		99.3	84-125		0.141	30	
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	74-142		6.76	30	
1,2-Dibromoethane	51.5		"	50.0		103	86-123		4.04	30	
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122		0.0394	30	
1,2-Dichloroethane	50.4		"	50.0		101	71-133		2.05	30	
1,2-Dichloropropane	44.3		"	50.0		88.5	81-122		2.35	30	
1,3,5-Trimethylbenzene	49.6		"	50.0		99.2	82-126		1.20	30	
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124		0.0986	30	
1,3-Dichloropropane	46.6		"	50.0		93.3	83-123		2.19	30	
1,4-Dichlorobenzene	50.9		"	50.0		102	84-124		0.987	30	
1,4-Dioxane	1150		"	1050		109	10-228		10.3	30	
2,2-Dichloropropane	54.8		"	50.0		110	67-136		1.34	30	
2-Butanone	44.3		"	50.0		88.5	58-147		4.88	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS Dup (BB21281-BS1)	LCS Dup	Prepared & Analyzed: 02/02/2022									
2-Chlorotoluene	49.6		ug/L	50.0		99.2	78-127		0.0605	30	
2-Hexanone	43.3		"	50.0		86.6	70-139		3.84	30	
4-Chlorotoluene	53.6		"	50.0		107	79-125		9.93	30	
4-Methyl-2-pentanone	43.0		"	50.0		86.0	72-132		7.01	30	
Acetone	36.5		"	50.0		73.0	36-155		1.05	30	
Acrolein	24.8		"	50.0		49.6	10-238		1.56	30	
Acrylonitrile	43.4		"	50.0		86.9	66-141		5.54	30	
Benzene	44.1		"	50.0		88.1	77-127		1.51	30	
Bromobenzene	46.8		"	50.0		93.7	77-129		0.987	30	
Bromochloromethane	41.8		"	50.0		83.6	74-129		0.834	30	
Bromodichloromethane	52.7		"	50.0		105	81-124		2.05	30	
Bromoform	58.9		"	50.0		118	80-136		4.55	30	
Bromomethane	50.4		"	50.0		101	32-177		4.22	30	
Carbon disulfide	46.1		"	50.0		92.2	10-136		1.06	30	
Carbon tetrachloride	56.6		"	50.0		113	66-143		0.656	30	
Chlorobenzene	50.8		"	50.0		102	86-120		0.237	30	
Chloroethane	45.3		"	50.0		90.5	51-142		3.03	30	
Chloroform	49.8		"	50.0		99.7	76-131		1.57	30	
Chloromethane	26.7		"	50.0		53.4	49-132		0.903	30	
cis-1,2-Dichloroethylene	45.0		"	50.0		89.9	74-132		0.423	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129		3.00	30	
Cyclohexane	38.5		"	50.0		77.0	70-130		0.621	30	
Dibromochloromethane	56.1		"	50.0		112	10-200		1.80	30	
Dibromomethane	49.1		"	50.0		98.2	83-124		3.86	30	
Dichlorodifluoromethane	23.2		"	50.0		46.5	28-158		2.42	30	
Ethyl Benzene	48.4		"	50.0		96.9	84-125		0.310	30	
Hexachlorobutadiene	58.0		"	50.0		116	83-133		1.18	30	
Isopropylbenzene	50.5		"	50.0		101	81-127		0.556	30	
Methyl acetate	37.8		"	50.0		75.6	41-143		4.19	30	
Methyl tert-butyl ether (MTBE)	45.7		"	50.0		91.5	74-131		2.23	30	
Methylcyclohexane	43.5		"	50.0		87.0	70-130		0.527	30	
Methylene chloride	41.1		"	50.0		82.2	57-141		1.88	30	
n-Butylbenzene	48.9		"	50.0		97.8	80-130		4.38	30	
n-Propylbenzene	47.6		"	50.0		95.2	74-136		0.399	30	
o-Xylene	51.0		"	50.0		102	83-123		0.512	30	
p- & m- Xylenes	99.4		"	100		99.4	82-128		0.910	30	
p-Isopropyltoluene	51.5		"	50.0		103	85-125		0.624	30	
sec-Butylbenzene	48.6		"	50.0		97.2	83-125		0.595	30	
Styrene	48.0		"	50.0		96.1	86-126		1.57	30	
tert-Butyl alcohol (TBA)	252		"	250		101	70-130		10.0	30	
tert-Butylbenzene	50.6		"	50.0		101	80-127		0.0790	30	
Tetrachloroethylene	45.5		"	50.0		91.0	80-129		0.0880	30	
Toluene	47.1		"	50.0		94.2	85-121		1.39	30	
trans-1,2-Dichloroethylene	44.1		"	50.0		88.2	72-132		2.40	30	
trans-1,3-Dichloropropylene	52.6		"	50.0		105	78-132		2.54	30	
Trichloroethylene	48.6		"	50.0		97.2	84-123		0.785	30	
Trichlorofluoromethane	48.1		"	50.0		96.2	62-140		5.40	30	
Vinyl acetate	38.7		"	50.0		77.4	67-136		1.79	30	
Vinyl Chloride	34.1		"	50.0		68.2	52-130		0.468	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	53.5		"	50.0		107	77-125				
Surrogate: Surr: Toluene-d8	49.1		"	50.0		98.1	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21281 - EPA 5035A

LCS Dup (BB21281-BS1) LCS Dup

Prepared & Analyzed: 02/02/2022

Surrogate: *SURR: p-Bromofluorobenzene* 49.0 ug/L 50.0 98.0 76-130

Batch BB21290 - EPA 5030B

Blank (BB21290-BLK1) Blank

Prepared & Analyzed: 02/02/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,1-Dichloropropylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromobenzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21290 - EPA 5030B

Blank (BB21290-BLK1)	Blank	Prepared & Analyzed: 02/02/2022									
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21290 - EPA 5030B

LCS (BB21290-BS1)	LCS										
											Prepared & Analyzed: 02/02/2022
1,1,1,2-Tetrachloroethane	9.89		ug/L	10.0		98.9	82-126				
1,1,1-Trichloroethane	9.79		"	10.0		97.9	78-136				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	9.71		"	10.0		97.1	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	9.73		"	10.0		97.3	83-133				
1,2,3-Trichlorobenzene	8.15		"	10.0		81.5	76-136				
1,2,3-Trichloropropane	9.98		"	10.0		99.8	77-128				
1,2,4-Trichlorobenzene	8.56		"	10.0		85.6	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	8.26		"	10.0		82.6	45-147				
1,2-Dibromoethane	9.82		"	10.0		98.2	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	11.3		"	10.0		113	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	9.70		"	10.0		97.0	86-122				
1,3-Dichloropropane	9.99		"	10.0		99.9	81-125				
1,4-Dichlorobenzene	9.96		"	10.0		99.6	85-124				
1,4-Dioxane	241		"	210		115	10-349				
2,2-Dichloropropane	10.4		"	10.0		104	56-150				
2-Butanone	9.57		"	10.0		95.7	49-152				
2-Chlorotoluene	9.67		"	10.0		96.7	79-130				
2-Hexanone	10.2		"	10.0		102	51-146				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
4-Methyl-2-pentanone	10.1		"	10.0		101	57-145				
Acetone	9.29		"	10.0		92.9	14-150				
Acrolein	4.65		"	10.0		46.5	10-153				
Acrylonitrile	10.1		"	10.0		101	51-150				
Benzene	10.3		"	10.0		103	85-126				
Bromobenzene	10.6		"	10.0		106	78-129				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	10.0		"	10.0		100	79-128				
Bromoform	8.81		"	10.0		88.1	78-133				
Bromomethane	1.44		"	10.0		14.4	43-168		Low Bias		
Carbon disulfide	10.1		"	10.0		101	68-146				
Carbon tetrachloride	9.96		"	10.0		99.6	77-141				
Chlorobenzene	10.7		"	10.0		107	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	7.64		"	10.0		76.4	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Cyclohexane	8.06		"	10.0		80.6	63-149				
Dibromochloromethane	9.22		"	10.0		92.2	80-130				
Dibromomethane	9.92		"	10.0		99.2	72-134				
Dichlorodifluoromethane	8.85		"	10.0		88.5	44-144				
Ethyl Benzene	11.3		"	10.0		113	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				





Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21290 - EPA 5030B											
LCS (BB21290-BS1) LCS Prepared & Analyzed: 02/02/2022											
Isopropylbenzene	11.4		ug/L	10.0		114	76-140				
Methyl acetate	9.35		"	10.0		93.5	51-139				
Methyl tert-butyl ether (MTBE)	9.29		"	10.0		92.9	76-135				
Methylcyclohexane	11.3		"	10.0		113	72-143				
Methylene chloride	9.76		"	10.0		97.6	55-137				
n-Butylbenzene	11.5		"	10.0		115	79-132				
n-Propylbenzene	11.5		"	10.0		115	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	19.4		"	20.0		96.8	77-133				
p-Isopropyltoluene	10.7		"	10.0		107	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	10.6		"	10.0		106	67-132				
tert-Butyl alcohol (TBA)	42.0		"	50.0		84.0	25-162				
tert-Butylbenzene	8.60		"	10.0		86.0	77-138				
Tetrachloroethylene	9.50		"	10.0		95.0	82-131				
Toluene	10.7		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl acetate	13.1		"	10.0		131	21-90	High Bias			
Vinyl Chloride	11.1		"	10.0		111	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>79-122</i>				
LCS Dup (BB21290-BSD1) LCS Dup Prepared & Analyzed: 02/02/2022											
1,1,1,2-Tetrachloroethane	9.76		ug/L	10.0		97.6	82-126		1.32	30	
1,1,1-Trichloroethane	9.54		"	10.0		95.4	78-136		2.59	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		2.00	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		4.21	30	
1,1,2-Trichloroethane	9.89		"	10.0		98.9	82-123		1.84	30	
1,1-Dichloroethane	9.85		"	10.0		98.5	82-129		2.51	30	
1,1-Dichloroethylene	10.5		"	10.0		105	68-138		3.38	30	
1,1-Dichloropropylene	9.41		"	10.0		94.1	83-133		3.34	30	
1,2,3-Trichlorobenzene	8.43		"	10.0		84.3	76-136		3.38	30	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		1.98	30	
1,2,4-Trichlorobenzene	8.66		"	10.0		86.6	76-137		1.16	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		3.38	30	
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	45-147		4.27	30	
1,2-Dibromoethane	10.0		"	10.0		100	83-124		1.92	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		0.979	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		0.497	30	
1,2-Dichloropropane	11.1		"	10.0		111	78-126		1.79	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		3.15	30	
1,3-Dichlorobenzene	9.40		"	10.0		94.0	86-122		3.14	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		2.08	30	
1,4-Dichlorobenzene	9.72		"	10.0		97.2	85-124		2.44	30	
1,4-Dioxane	256		"	210		122	10-349		6.28	30	
2,2-Dichloropropane	9.90		"	10.0		99.0	56-150		5.02	30	
2-Butanone	10.1		"	10.0		101	49-152		5.29	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21290 - EPA 5030B											
LCS Dup (BB21290-BSD1)	LCS Dup	Prepared & Analyzed: 02/02/2022									
2-Chlorotoluene	10.4		ug/L	10.0		104	79-130		7.27	30	
2-Hexanone	10.9		"	10.0		109	51-146		6.75	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		4.03	30	
4-Methyl-2-pentanone	10.9		"	10.0		109	57-145		6.95	30	
Acetone	9.44		"	10.0		94.4	14-150		1.60	30	
Acrolein	4.99		"	10.0		49.9	10-153		7.05	30	
Acrylonitrile	10.9		"	10.0		109	51-150		7.72	30	
Benzene	10.0		"	10.0		100	85-126		2.57	30	
Bromobenzene	10.3		"	10.0		103	78-129		2.11	30	
Bromochloromethane	10.2		"	10.0		102	77-128		0.777	30	
Bromodichloromethane	9.94		"	10.0		99.4	79-128		0.802	30	
Bromoform	9.21		"	10.0		92.1	78-133		4.44	30	
Bromomethane	1.20		"	10.0		12.0	43-168	Low Bias	18.2	30	
Carbon disulfide	9.68		"	10.0		96.8	68-146		3.85	30	
Carbon tetrachloride	9.67		"	10.0		96.7	77-141		2.95	30	
Chlorobenzene	10.5		"	10.0		105	88-120		1.60	30	
Chloroethane	9.71		"	10.0		97.1	65-136		5.12	30	
Chloroform	9.76		"	10.0		97.6	82-128		2.93	30	
Chloromethane	7.07		"	10.0		70.7	43-155		7.75	30	
cis-1,2-Dichloroethylene	9.94		"	10.0		99.4	83-129		2.68	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131		0.395	30	
Cyclohexane	7.90		"	10.0		79.0	63-149		2.01	30	
Dibromochloromethane	9.33		"	10.0		93.3	80-130		1.19	30	
Dibromomethane	9.98		"	10.0		99.8	72-134		0.603	30	
Dichlorodifluoromethane	8.14		"	10.0		81.4	44-144		8.36	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		2.50	30	
Hexachlorobutadiene	11.0		"	10.0		110	67-146		3.23	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		4.86	30	
Methyl acetate	9.81		"	10.0		98.1	51-139		4.80	30	
Methyl tert-butyl ether (MTBE)	9.42		"	10.0		94.2	76-135		1.39	30	
Methylcyclohexane	11.0		"	10.0		110	72-143		2.51	30	
Methylene chloride	9.59		"	10.0		95.9	55-137		1.76	30	
n-Butylbenzene	11.2		"	10.0		112	79-132		2.46	30	
n-Propylbenzene	11.0		"	10.0		110	78-133		4.43	30	
o-Xylene	10.8		"	10.0		108	78-130		1.65	30	
p- & m- Xylenes	18.8		"	20.0		94.2	77-133		2.77	30	
p-Isopropyltoluene	10.3		"	10.0		103	81-136		3.14	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		3.42	30	
Styrene	10.5		"	10.0		105	67-132		1.52	30	
tert-Butyl alcohol (TBA)	47.1		"	50.0		94.2	25-162		11.4	30	
tert-Butylbenzene	8.31		"	10.0		83.1	77-138		3.43	30	
Tetrachloroethylene	9.18		"	10.0		91.8	82-131		3.43	30	
Toluene	10.5		"	10.0		105	80-127		2.16	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		3.73	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131		1.00	30	
Trichloroethylene	9.82		"	10.0		98.2	82-128		3.21	30	
Trichlorofluoromethane	10.4		"	10.0		104	67-139		5.59	30	
Vinyl acetate	13.1		"	10.0		131	21-90	High Bias	0.153	30	
Vinyl Chloride	10.3		"	10.0		103	58-145		7.38	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21290 - EPA 5030B											
LCS Dup (BB21290-BSD1)						LCS Dup					
Prepared & Analyzed: 02/02/2022											
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.3		ug/L	10.0		103	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21278 - EPA 3546 SVOA

Blank (BB21278-BLK1)

Blank

Prepared: 02/02/2022 Analyzed: 02/03/2022

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21278 - EPA 3546 SVOA

Blank (BB21278-BLK1) Blank Prepared: 02/02/2022 Analyzed: 02/03/2022

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	0.983		"	1.66		59.2	20-108				
<i>Surrogate: SURR: Phenol-d5</i>	1.02		"	1.66		61.5	23-114				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	0.564		"	0.831		67.9	22-108				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	0.527		"	0.831		63.4	21-113				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	0.967		"	1.66		58.2	19-110				
<i>Surrogate: SURR: Terphenyl-d14</i>	0.556		"	0.831		66.9	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21278 - EPA 3546 SVOA											
LCS (BB21278-BS1)	LCS										Prepared: 02/02/2022 Analyzed: 02/03/2022
1,1-Biphenyl	0.456	0.0416	mg/kg wet	0.831		54.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.401	0.0830	"	0.831		48.3	21-131				
1,2,4-Trichlorobenzene	0.458	0.0416	"	0.831		55.2	10-140				
1,2-Dichlorobenzene	0.417	0.0416	"	0.831		50.2	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.334	0.0416	"	0.831		40.2	17-137				
1,3-Dichlorobenzene	0.388	0.0416	"	0.831		46.7	33-110				
1,4-Dichlorobenzene	0.407	0.0416	"	0.831		49.0	32-104				
2,3,4,6-Tetrachlorophenol	0.393	0.0830	"	0.831		47.3	30-130				
2,4,5-Trichlorophenol	0.397	0.0416	"	0.831		47.8	27-118				
2,4,6-Trichlorophenol	0.376	0.0416	"	0.831		45.3	31-120				
2,4-Dichlorophenol	0.433	0.0416	"	0.831		52.1	20-127				
2,4-Dimethylphenol	0.381	0.0416	"	0.831		45.8	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.515	0.0416	"	0.831		62.0	34-131				
2,6-Dinitrotoluene	0.444	0.0416	"	0.831		53.5	31-128				
2-Chloronaphthalene	0.379	0.0416	"	0.831		45.7	31-117				
2-Chlorophenol	0.432	0.0416	"	0.831		52.0	33-113				
2-Methylnaphthalene	0.446	0.0416	"	0.831		53.7	12-138				
2-Methylphenol	0.361	0.0416	"	0.831		43.5	10-136				
2-Nitroaniline	0.438	0.0830	"	0.831		52.8	27-132				
2-Nitrophenol	0.435	0.0416	"	0.831		52.3	17-129				
3- & 4-Methylphenols	0.370	0.0416	"	0.831		44.6	29-103				
3,3-Dichlorobenzidine	0.289	0.0416	"	0.831		34.8	22-149				
3-Nitroaniline	0.393	0.0830	"	0.831		47.3	20-133				
4,6-Dinitro-2-methylphenol	0.105	0.0830	"	0.831		12.6	10-143				
4-Bromophenyl phenyl ether	0.444	0.0416	"	0.831		53.4	29-120				
4-Chloro-3-methylphenol	0.438	0.0416	"	0.831		52.7	24-129				
4-Chloroaniline	0.407	0.0416	"	0.831		49.0	10-132				
4-Chlorophenyl phenyl ether	0.423	0.0416	"	0.831		51.0	27-124				
4-Nitroaniline	0.417	0.0830	"	0.831		50.2	16-128				
4-Nitrophenol	0.399	0.0830	"	0.831		48.1	10-141				
Acenaphthene	0.410	0.0416	"	0.831		49.4	30-121				
Acenaphthylene	0.381	0.0416	"	0.831		45.9	30-115				
Acetophenone	0.417	0.0416	"	0.831		50.2	20-112				
Aniline	0.259	0.166	"	0.831		31.2	10-119				
Anthracene	0.388	0.0416	"	0.831		46.7	34-118				
Atrazine	0.419	0.0416	"	0.831		50.4	26-112				
Benzaldehyde	0.367	0.0416	"	0.831		44.2	21-100				
Benzo(a)anthracene	0.417	0.0416	"	0.831		50.2	32-122				
Benzo(a)pyrene	0.345	0.0416	"	0.831		41.6	29-133				
Benzo(b)fluoranthene	0.380	0.0416	"	0.831		45.8	25-133				
Benzo(g,h,i)perylene	0.355	0.0416	"	0.831		42.8	10-143				
Benzo(k)fluoranthene	0.364	0.0416	"	0.831		43.9	25-128				
Benzoic acid	0.103	0.0416	"	0.831		12.4	10-140				
Benzyl alcohol	0.362	0.0416	"	0.831		43.6	30-115				
Benzyl butyl phthalate	0.406	0.0416	"	0.831		48.9	26-126				
Bis(2-chloroethoxy)methane	0.374	0.0416	"	0.831		45.0	19-132				
Bis(2-chloroethyl)ether	0.361	0.0416	"	0.831		43.5	19-125				
Bis(2-chloroisopropyl)ether	0.338	0.0416	"	0.831		40.6	20-135				
Bis(2-ethylhexyl)phthalate	0.360	0.0416	"	0.831		43.4	10-155				
Caprolactam	0.390	0.0830	"	0.831		47.0	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21278 - EPA 3546 SVOA

LCS (BB21278-BS1)	LCS	Prepared: 02/02/2022 Analyzed: 02/03/2022									
Carbazole	0.384	0.0416	mg/kg wet	0.831		46.2	35-123				
Chrysene	0.430	0.0416	"	0.831		51.8	32-123				
Dibenzo(a,h)anthracene	0.360	0.0416	"	0.831		43.4	10-136				
Dibenzofuran	0.391	0.0416	"	0.831		47.0	29-121				
Diethyl phthalate	0.396	0.0416	"	0.831		47.7	34-116				
Dimethyl phthalate	0.376	0.0416	"	0.831		45.3	35-124				
Di-n-butyl phthalate	0.402	0.0416	"	0.831		48.4	31-116				
Di-n-octyl phthalate	0.379	0.0416	"	0.831		45.6	26-136				
Fluoranthene	0.412	0.0416	"	0.831		49.6	33-122				
Fluorene	0.427	0.0416	"	0.831		51.4	29-123				
Hexachlorobenzene	0.430	0.0416	"	0.831		51.7	21-124				
Hexachlorobutadiene	0.460	0.0416	"	0.831		55.4	10-149				
Hexachlorocyclopentadiene	0.212	0.0416	"	0.831		25.5	10-129				
Hexachloroethane	0.355	0.0416	"	0.831		42.7	28-108				
Indeno(1,2,3-cd)pyrene	0.354	0.0416	"	0.831		42.7	10-135				
Isophorone	0.401	0.0416	"	0.831		48.2	20-132				
Naphthalene	0.424	0.0416	"	0.831		51.0	23-124				
Nitrobenzene	0.438	0.0416	"	0.831		52.7	13-132				
N-Nitrosodimethylamine	0.267	0.0416	"	0.831		32.2	11-129				
N-nitroso-di-n-propylamine	0.368	0.0416	"	0.831		44.3	24-119				
N-Nitrosodiphenylamine	0.479	0.0416	"	0.831		57.7	22-152				
Pentachlorophenol	0.189	0.0416	"	0.831		22.7	10-139				
Phenanthrene	0.385	0.0416	"	0.831		46.3	33-123				
Phenol	0.393	0.0416	"	0.831		47.3	23-115				
Pyrene	0.417	0.0416	"	0.831		50.2	24-130				
Pyridine	0.325	0.166	"	0.831		39.1	10-91				
Surrogate: SURR: 2-Fluorophenol	0.758		"	1.66		45.6	20-108				
Surrogate: SURR: Phenol-d5	0.859		"	1.66		51.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.438		"	0.831		52.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.389		"	0.831		46.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.819		"	1.66		49.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.432		"	0.831		52.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21308 - EPA 3510C

Blank (BB21308-BLK1) Blank Prepared: 02/03/2022 Analyzed: 02/07/2022

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21308 - EPA 3510C											
Prepared: 02/03/2022 Analyzed: 02/07/2022											
Blank (BB21308-BLK1) Blank											
N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	22.1		"	50.0		44.1	19.7-63.1				
Surrogate: SURR: Phenol-d5	12.5		"	50.0		24.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.8		"	25.0		87.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	24.1		"	25.0		96.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	65.0		"	50.0		130	39.3-151				
Surrogate: SURR: Terphenyl-d14	28.3		"	25.0		113	30.7-106				
LCS (BB21308-BS1) LCS											
Prepared: 02/03/2022 Analyzed: 02/07/2022											
1,1-Biphenyl	19.5	5.00	ug/L	25.0		78.2	33-95				
1,2,4,5-Tetrachlorobenzene	20.4	5.00	"	25.0		81.4	26-120				
1,2,4-Trichlorobenzene	17.5	5.00	"	25.0		70.1	20-118				
1,2-Dichlorobenzene	15.6	5.00	"	25.0		62.5	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	16.5	5.00	"	25.0		65.8	16-141				
1,3-Dichlorobenzene	15.6	5.00	"	25.0		62.3	23-117				
1,4-Dichlorobenzene	15.5	5.00	"	25.0		62.2	30-105				
2,3,4,6-Tetrachlorophenol	20.4	5.00	"	25.0		81.4	30-130				
2,4,5-Trichlorophenol	21.1	5.00	"	25.0		84.4	32-114				
2,4,6-Trichlorophenol	20.7	5.00	"	25.0		82.9	35-118				
2,4-Dichlorophenol	20.2	5.00	"	25.0		80.9	25-116				
2,4-Dimethylphenol	16.8	5.00	"	25.0		67.0	15-116				
2,4-Dinitrophenol	27.8	5.00	"	25.0		111	10-170				
2,4-Dinitrotoluene	24.5	5.00	"	25.0		98.0	41-128				
2,6-Dinitrotoluene	23.0	5.00	"	25.0		92.1	45-116				
2-Chloronaphthalene	18.2	5.00	"	25.0		73.0	33-112				
2-Chlorophenol	15.2	5.00	"	25.0		60.6	15-120				
2-Methylnaphthalene	19.0	5.00	"	25.0		76.1	24-118				
2-Methylphenol	12.8	5.00	"	25.0		51.1	10-110				
2-Nitroaniline	22.5	5.00	"	25.0		89.9	34-129				
2-Nitrophenol	21.2	5.00	"	25.0		85.0	28-118				
3- & 4-Methylphenols	9.99	5.00	"	25.0		40.0	10-107				
3,3-Dichlorobenzidine	27.8	5.00	"	25.0		111	15-187				
3-Nitroaniline	23.4	5.00	"	25.0		93.6	24-134				
4,6-Dinitro-2-methylphenol	27.2	5.00	"	25.0		109	10-153				
4-Bromophenyl phenyl ether	21.6	5.00	"	25.0		86.4	34-120				
4-Chloro-3-methylphenol	19.1	5.00	"	25.0		76.3	20-120				
4-Chloroaniline	15.8	5.00	"	25.0		63.1	10-147				
4-Chlorophenyl phenyl ether	20.0	5.00	"	25.0		79.8	27-121				
4-Nitroaniline	19.4	5.00	"	25.0		77.7	13-134				
4-Nitrophenol	7.48	5.00	"	25.0		29.9	10-131				
Acetophenone	17.4	5.00	"	25.0		69.8	25-110				
Aniline	15.3	5.00	"	25.0		61.3	10-117				
Benzaldehyde	16.8	5.00	"	25.0		67.3	29-117				
Benzoic acid	3.54	5.00	"	25.0		14.2	30-130	Low Bias			
Benzyl alcohol	12.3	5.00	"	25.0		49.2	10-117				
Benzyl butyl phthalate	19.7	5.00	"	25.0		78.8	29-133				
Bis(2-chloroethoxy)methane	17.3	5.00	"	25.0		69.2	10-154				
Bis(2-chloroethyl)ether	15.4	5.00	"	25.0		61.7	17-125				
Bis(2-chloroisopropyl)ether	12.5	5.00	"	25.0		50.0	10-139				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21308 - EPA 3510C

LCS (BB21308-BS1)	LCS	Prepared: 02/03/2022 Analyzed: 02/07/2022									
Caprolactam	4.63	5.00	ug/L	25.0		18.5	10-137				
Carbazole	20.5	5.00	"	25.0		82.0	42-126				
Dibenzofuran	19.2	5.00	"	25.0		76.9	36-113				
Diethyl phthalate	19.3	5.00	"	25.0		77.3	38-115				
Dimethyl phthalate	19.3	5.00	"	25.0		77.0	38-129				
Di-n-butyl phthalate	20.0	5.00	"	25.0		80.0	31-120				
Di-n-octyl phthalate	20.5	5.00	"	25.0		81.9	21-149				
Hexachlorocyclopentadiene	16.2	10.0	"	25.0		65.0	10-130				
Isophorone	16.6	5.00	"	25.0		66.3	25-127				
N-nitroso-di-n-propylamine	14.7	5.00	"	25.0		59.0	26-122				
N-Nitrosodiphenylamine	23.2	5.00	"	25.0		93.0	23-149				
Phenol	5.47	5.00	"	25.0		21.9	10-110				
Pyridine	13.2	5.00	"	25.5		51.6	10-90				
Surrogate: SURR: 2-Fluorophenol	18.9		"	50.0		37.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.4		"	50.0		22.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.9		"	25.0		71.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.0		"	25.0		79.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	56.6		"	50.0		113	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.2		"	25.0		88.9	30.7-106				

Batch BB21311 - EPA 3546 SVOA

Blank (BB21311-BLK1)	Blank	Prepared: 02/03/2022 Analyzed: 02/04/2022									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21311 - EPA 3546 SVOA

Blank (BB21311-BLK1) Blank Prepared: 02/03/2022 Analyzed: 02/04/2022

4-Chlorophenyl phenyl ether	ND	0.0416	mg/kg wet								
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	"								
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 1.15 " 1.66 69.5 20-108



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21311 - EPA 3546 SVOA

Blank (BB21311-BLK1)	Blank	Prepared: 02/03/2022 Analyzed: 02/04/2022									
Surrogate: SURR: Phenol-d5	1.19		mg/kg wet	1.66		71.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.602		"	0.831		72.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.555		"	0.831		66.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.29		"	1.66		77.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.626		"	0.831		75.4	24-116				

LCS (BB21311-BS1)	LCS	Prepared: 02/03/2022 Analyzed: 02/07/2022									
1,1-Biphenyl	0.535	0.0416	mg/kg wet	0.831		64.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.500	0.0830	"	0.831		60.2	21-131				
1,2,4-Trichlorobenzene	0.411	0.0416	"	0.831		49.5	10-140				
1,2-Dichlorobenzene	0.418	0.0416	"	0.831		50.3	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.394	0.0416	"	0.831		47.4	17-137				
1,3-Dichlorobenzene	0.362	0.0416	"	0.831		43.6	33-110				
1,4-Dichlorobenzene	0.423	0.0416	"	0.831		50.9	32-104				
2,3,4,6-Tetrachlorophenol	0.487	0.0830	"	0.831		58.6	30-130				
2,4,5-Trichlorophenol	0.475	0.0416	"	0.831		57.2	27-118				
2,4,6-Trichlorophenol	0.442	0.0416	"	0.831		53.2	31-120				
2,4-Dichlorophenol	0.510	0.0416	"	0.831		61.4	20-127				
2,4-Dimethylphenol	0.426	0.0416	"	0.831		51.3	14-132				
2,4-Dinitrophenol	0.353	0.0830	"	0.831		42.5	10-171				
2,4-Dinitrotoluene	0.494	0.0416	"	0.831		59.5	34-131				
2,6-Dinitrotoluene	0.499	0.0416	"	0.831		60.0	31-128				
2-Chloronaphthalene	0.438	0.0416	"	0.831		52.8	31-117				
2-Chlorophenol	0.397	0.0416	"	0.831		47.8	33-113				
2-Methylnaphthalene	0.477	0.0416	"	0.831		57.4	12-138				
2-Methylphenol	0.394	0.0416	"	0.831		47.5	10-136				
2-Nitroaniline	0.451	0.0830	"	0.831		54.3	27-132				
2-Nitrophenol	0.511	0.0416	"	0.831		61.6	17-129				
3- & 4-Methylphenols	0.365	0.0416	"	0.831		43.9	29-103				
3,3-Dichlorobenzidine	0.570	0.0416	"	0.831		68.7	22-149				
3-Nitroaniline	0.389	0.0830	"	0.831		46.9	20-133				
4,6-Dinitro-2-methylphenol	0.446	0.0830	"	0.831		53.6	10-143				
4-Bromophenyl phenyl ether	0.468	0.0416	"	0.831		56.4	29-120				
4-Chloro-3-methylphenol	0.453	0.0416	"	0.831		54.6	24-129				
4-Chloroaniline	0.322	0.0416	"	0.831		38.8	10-132				
4-Chlorophenyl phenyl ether	0.461	0.0416	"	0.831		55.5	27-124				
4-Nitroaniline	0.383	0.0830	"	0.831		46.1	16-128				
4-Nitrophenol	0.443	0.0830	"	0.831		53.3	10-141				
Acenaphthene	0.432	0.0416	"	0.831		52.0	30-121				
Acenaphthylene	0.432	0.0416	"	0.831		52.0	30-115				
Acetophenone	0.452	0.0416	"	0.831		54.4	20-112				
Aniline	0.414	0.166	"	0.831		49.9	10-119				
Anthracene	0.452	0.0416	"	0.831		54.5	34-118				
Atrazine	0.602	0.0416	"	0.831		72.5	26-112				
Benzaldehyde	0.467	0.0416	"	0.831		56.2	21-100				
Benzo(a)anthracene	0.461	0.0416	"	0.831		55.5	32-122				
Benzo(a)pyrene	0.441	0.0416	"	0.831		53.1	29-133				
Benzo(b)fluoranthene	0.487	0.0416	"	0.831		58.7	25-133				
Benzo(g,h,i)perylene	0.502	0.0416	"	0.831		60.4	10-143				
Benzo(k)fluoranthene	0.456	0.0416	"	0.831		55.0	25-128				
Benzoic acid	0.302	0.0416	"	0.831		36.4	10-140				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21311 - EPA 3546 SVOA

LCS (BB21311-BS1)	LCS	Prepared: 02/03/2022 Analyzed: 02/07/2022									
Benzyl alcohol	0.395	0.0416	mg/kg wet	0.831		47.5	30-115				
Benzyl butyl phthalate	0.512	0.0416	"	0.831		61.6	26-126				
Bis(2-chloroethoxy)methane	0.403	0.0416	"	0.831		48.5	19-132				
Bis(2-chloroethyl)ether	0.354	0.0416	"	0.831		42.7	19-125				
Bis(2-chloroisopropyl)ether	0.304	0.0416	"	0.831		36.6	20-135				
Bis(2-ethylhexyl)phthalate	0.527	0.0416	"	0.831		63.4	10-155				
Caprolactam	0.593	0.0830	"	0.831		71.4	10-127				
Carbazole	0.435	0.0416	"	0.831		52.4	35-123				
Chrysene	0.441	0.0416	"	0.831		53.0	32-123				
Dibenzo(a,h)anthracene	0.554	0.0416	"	0.831		66.8	10-136				
Dibenzofuran	0.448	0.0416	"	0.831		53.9	29-121				
Diethyl phthalate	0.455	0.0416	"	0.831		54.8	34-116				
Dimethyl phthalate	0.436	0.0416	"	0.831		52.5	35-124				
Di-n-butyl phthalate	0.452	0.0416	"	0.831		54.4	31-116				
Di-n-octyl phthalate	0.569	0.0416	"	0.831		68.5	26-136				
Fluoranthene	0.447	0.0416	"	0.831		53.8	33-122				
Fluorene	0.415	0.0416	"	0.831		50.0	29-123				
Hexachlorobenzene	0.461	0.0416	"	0.831		55.5	21-124				
Hexachlorobutadiene	0.509	0.0416	"	0.831		61.2	10-149				
Hexachlorocyclopentadiene	0.387	0.0416	"	0.831		46.6	10-129				
Hexachloroethane	0.392	0.0416	"	0.831		47.2	28-108				
Indeno(1,2,3-cd)pyrene	0.492	0.0416	"	0.831		59.3	10-135				
Isophorone	0.412	0.0416	"	0.831		49.6	20-132				
Naphthalene	0.460	0.0416	"	0.831		55.4	23-124				
Nitrobenzene	0.462	0.0416	"	0.831		55.6	13-132				
N-Nitrosodimethylamine	0.748	0.0416	"	0.831		90.1	11-129				
N-nitroso-di-n-propylamine	0.355	0.0416	"	0.831		42.8	24-119				
N-Nitrosodiphenylamine	0.508	0.0416	"	0.831		61.2	22-152				
Pentachlorophenol	0.300	0.0416	"	0.831		36.1	10-139				
Phenanthrene	0.437	0.0416	"	0.831		52.6	33-123				
Phenol	0.366	0.0416	"	0.831		44.1	23-115				
Pyrene	0.436	0.0416	"	0.831		52.4	24-130				
Pyridine	0.649	0.166	"	0.831		78.1	10-91				
Surrogate: SURR: 2-Fluorophenol	0.921		"	1.66		55.4	20-108				
Surrogate: SURR: Phenol-d5	0.893		"	1.66		53.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.578		"	0.831		69.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.548		"	0.831		65.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.21		"	1.66		72.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.550		"	0.831		66.2	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Table with columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source* Result, %REC, %REC Limits, Flag, RPD, RPD Limit, Flag. Includes a 'Batch BB21311 - EPA 3546 SVOA' header and a list of 50 chemical analytes with their respective results and limits.



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21311 - EPA 3546 SVOA

Matrix Spike (BB21311-MS1)	Matrix Spike	*Source sample: 22B0047-01 (056 LSB-14 15-17)					Prepared: 02/03/2022 Analyzed: 02/04/2022	
Carbazole	0.404	0.0949	mg/kg dry	0.948	ND	42.6	10-167	
Chrysene	0.410	0.0949	"	0.948	ND	43.2	10-156	
Dibenzo(a,h)anthracene	0.579	0.0949	"	0.948	ND	61.0	10-137	
Dibenzofuran	0.442	0.0949	"	0.948	ND	46.6	10-147	
Diethyl phthalate	0.463	0.0949	"	0.948	ND	48.8	20-120	
Dimethyl phthalate	0.451	0.0949	"	0.948	ND	47.6	18-131	
Di-n-butyl phthalate	0.445	0.0949	"	0.948	ND	46.9	10-137	
Di-n-octyl phthalate	0.554	0.0949	"	0.948	ND	58.4	10-180	
Fluoranthene	0.400	0.0949	"	0.948	ND	42.2	10-160	
Fluorene	0.428	0.0949	"	0.948	ND	45.1	10-157	
Hexachlorobenzene	0.446	0.0949	"	0.948	ND	47.0	10-137	
Hexachlorobutadiene	0.531	0.0949	"	0.948	ND	56.0	10-132	
Hexachlorocyclopentadiene	0.102	0.0949	"	0.948	ND	10.8	10-106	
Hexachloroethane	0.393	0.0949	"	0.948	ND	41.4	10-110	
Indeno(1,2,3-cd)pyrene	0.583	0.0949	"	0.948	ND	61.4	10-144	
Isophorone	0.448	0.0949	"	0.948	ND	47.3	10-132	
Naphthalene	0.437	0.0949	"	0.948	ND	46.1	10-141	
Nitrobenzene	0.448	0.0949	"	0.948	ND	47.2	10-131	
N-Nitrosodimethylamine	0.785	0.0949	"	0.948	ND	82.8	10-126	
N-nitroso-di-n-propylamine	0.370	0.0949	"	0.948	ND	39.0	10-125	
N-Nitrosodiphenylamine	0.500	0.0949	"	0.948	ND	52.7	10-177	
Pentachlorophenol	0.247	0.0949	"	0.948	ND	26.1	10-153	
Phenanthrene	0.436	0.0949	"	0.948	ND	45.9	10-148	
Phenol	0.377	0.0949	"	0.948	ND	39.8	10-126	
Pyrene	0.456	0.0949	"	0.948	ND	48.1	10-165	
Pyridine	0.734	0.380	"	0.948	ND	77.4	10-83	
Surrogate: SURR: 2-Fluorophenol	1.03		"	1.90		54.4	20-108	
Surrogate: SURR: Phenol-d5	0.935		"	1.90		49.3	23-114	
Surrogate: SURR: Nitrobenzene-d5	0.571		"	0.948		60.2	22-108	
Surrogate: SURR: 2-Fluorobiphenyl	0.525		"	0.948		55.4	21-113	
Surrogate: SURR: 2,4,6-Tribromophenol	1.25		"	1.90		65.8	19-110	
Surrogate: SURR: Terphenyl-d14	0.561		"	0.948		59.1	24-116	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21276 - EPA 3550C												
Blank (BB21276-BLK1)	Blank								Prepared: 02/02/2022 Analyzed: 02/03/2022			
1,4-Dioxane	ND	19.8	ug/kg									
<i>Surrogate: 1,4-Dioxane-d8</i>	248		"	495		50.0	39-127.5					
LCS (BB21276-BS1)	LCS								Prepared: 02/02/2022 Analyzed: 02/03/2022			
1,4-Dioxane	587	19.8	ug/kg	495		119	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	267		"	495		54.0	39-127.5					
Matrix Spike (BB21276-MS1)	Matrix Spike	*Source sample: 22B0047-01 (056_LSB-14_15-17)								Prepared: 02/02/2022 Analyzed: 02/07/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	198		"	495		40.0	40-130					
Matrix Spike Dup (BB21276-MS1)	Matrix Spike Dup	*Source sample: 22B0047-01 (056_LSB-14_15-17)								Prepared: 02/02/2022 Analyzed: 02/07/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		0.00	30		
<i>Surrogate: 1,4-Dioxane-d8</i>	198		"	495		40.0	40-130					
Batch BB21315 - EPA 3535A												
Blank (BB21315-BLK1)	Blank								Prepared: 02/03/2022 Analyzed: 02/04/2022			
1,4-Dioxane	ND	0.300	ug/L									
<i>Surrogate: 1,4-Dioxane-d8</i>	4.00		"	4.00		100	36.6-118					
LCS (BB21315-BS1)	LCS								Prepared: 02/03/2022 Analyzed: 02/04/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	3.04		"	4.00		76.0	36.6-118					
Matrix Spike (BB21315-MS1)	Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/04/2022		
1,4-Dioxane	3.55	0.300	ug/L	4.00	0.368	79.6	50-130					
<i>Surrogate: 1,4-Dioxane-d8</i>	1.44		"	4.00		36.0	50-130					



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21315 - EPA 3535A											
Matrix Spike Dup (BB21315-1) Matrix Spike Dup						Source sample: 22B0058-03 (Matrix Spike Dup) Prepared: 02/03/2022 Analyzed: 02/04/2022					
1,4-Dioxane	4.21	0.300	ug/L	4.00	0.368	96.0	50-130		16.9	30	
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

Blank (BB21282-BLK1) Blank

Prepared: 02/02/2022 Analyzed: 02/04/2022

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	69.9		"	74.3		94.1	25-150				
Surrogate: M5PFHxA	82.4		"	80.0		103	25-150				
Surrogate: M4PFHpA	80.2		"	80.0		100	25-150				
Surrogate: M3PFHxS	80.2		"	75.7		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	89.4		"	80.0		112	25-150				
Surrogate: M6PFDA	85.8		"	80.0		107	25-150				
Surrogate: M7PFUdA	78.8		"	80.0		98.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	60.8		"	80.0		76.0	25-150				
Surrogate: M2PFTeDA	53.2		"	80.0		66.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	73.4		"	80.0		91.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	76.9		"	76.6		100	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	77.1		"	80.0		96.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	36.5		"	80.0		45.6	10-150				
Surrogate: d3-N-MeFOSAA	84.6		"	80.0		106	25-150				
Surrogate: d5-N-EtFOSAA	89.0		"	80.0		111	25-150				
Surrogate: M2-6:2 FTS	72.7		"	75.9		95.8	25-200				
Surrogate: M2-8:2 FTS	86.0		"	76.6		112	25-200				
Surrogate: M9PFNA	82.7		"	80.0		103	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

LCS (BB21282-BS1)	LCS	Prepared: 02/02/2022 Analyzed: 02/04/2022									
Perfluorobutanesulfonic acid (PFBS)	71.1	2.00	ng/L	70.8		100	50-130				
Perfluorohexanoic acid (PFHxA)	81.2	2.00	"	80.0		102	50-130				
Perfluoroheptanoic acid (PFHpA)	84.0	2.00	"	80.0		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.7	2.00	"	72.8		91.7	50-130				
Perfluorooctanoic acid (PFOA)	87.9	2.00	"	80.0		110	50-130				
Perfluorooctanesulfonic acid (PFOS)	78.7	2.00	"	74.0		106	50-130				
Perfluorononanoic acid (PFNA)	83.7	2.00	"	80.0		105	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	75.3	2.00	"	80.0		94.1	50-130				
Perfluorododecanoic acid (PFDoA)	81.7	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTriDA)	67.8	2.00	"	80.0		84.7	50-130				
Perfluorotetradecanoic acid (PFTA)	78.4	2.00	"	80.0		98.0	50-130				
N-MeFOSAA	80.3	2.00	"	80.0		100	50-130				
N-EtFOSAA	80.4	2.00	"	80.0		100	50-130				
Perfluoropentanoic acid (PFPeA)	78.5	2.00	"	80.0		98.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	79.1	2.00	"	80.0		98.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	72.5	2.00	"	76.4		94.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	64.2	2.00	"	77.2		83.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	69.5	5.00	"	76.0		91.4	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	81.9	2.00	"	76.8		107	50-175				
Perfluoro-n-butanoic acid (PFBA)	82.0	2.00	"	80.0		103	50-130				
Surrogate: M3PFBS	73.6		"	74.3		99.0	25-150				
Surrogate: M5PFHxA	86.3		"	80.0		108	25-150				
Surrogate: M4PFHpA	83.2		"	80.0		104	25-150				
Surrogate: M3PFHxS	86.2		"	75.7		114	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.1		"	80.0		100	25-150				
Surrogate: M6PFDA	83.1		"	80.0		104	25-150				
Surrogate: M7PFUdA	78.9		"	80.0		98.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	63.9		"	80.0		79.9	25-150				
Surrogate: M2PFTeDA	35.9		"	80.0		44.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	79.2		"	80.0		98.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.9		"	76.6		110	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	82.6		"	80.0		103	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.5		"	80.0		31.9	10-150				
Surrogate: d3-N-MeFOSAA	68.1		"	80.0		85.2	25-150				
Surrogate: d5-N-EtFOSAA	64.8		"	80.0		81.0	25-150				
Surrogate: M2-6:2 FTS	89.5		"	75.9		118	25-200				
Surrogate: M2-8:2 FTS	74.1		"	76.6		96.7	25-200				
Surrogate: M9PFNA	82.3		"	80.0		103	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BB21282-MS1)	Matrix Spike	*Source sample: 22B0034-09 (Matrix Spike)						Prepared: 02/02/2022 Analyzed: 02/04/2022			
Perfluorobutanesulfonic acid (PFBS)	78.0	1.95	ng/L	69.1	7.42	102	25-150				
Perfluorohexanoic acid (PFHxA)	96.9	1.95	"	78.1	15.8	104	25-150				
Perfluoroheptanoic acid (PFHpA)	126	1.95	"	78.1	16.2	140	25-150				
Perfluorohexanesulfonic acid (PFHxS)	58.9	1.95	"	71.1	2.76	78.9	25-150				
Perfluorooctanoic acid (PFOA)	81.4	1.95	"	78.1	15.2	84.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	119	1.95	"	72.3	25.4	129	25-150				
Perfluorononanoic acid (PFNA)	83.5	1.95	"	78.1	3.57	102	25-150				
Perfluorodecanoic acid (PFDA)	74.6	1.95	"	78.1	ND	95.5	25-150				
Perfluoroundecanoic acid (PFUnA)	72.9	1.95	"	78.1	ND	93.3	25-150				
Perfluorododecanoic acid (PFDoA)	77.7	1.95	"	78.1	ND	99.5	25-150				
Perfluorotridecanoic acid (PFTriDA)	74.4	1.95	"	78.1	ND	95.2	25-150				
Perfluorotetradecanoic acid (PFTA)	77.6	1.95	"	78.1	ND	99.4	25-150				
N-MeFOSAA	83.4	1.95	"	78.1	ND	107	25-150				
N-EtFOSAA	71.8	1.95	"	78.1	ND	91.9	25-150				
Perfluoropentanoic acid (PFPeA)	92.9	1.95	"	78.1	11.8	104	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	94.4	1.95	"	78.1	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	103	1.95	"	74.6	ND	139	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	69.3	1.95	"	75.4	ND	91.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	67.4	4.88	"	74.2	ND	90.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	74.9	1.95	"	75.0	ND	99.8	25-200				
Perfluoro-n-butanoic acid (PFBA)	97.9	1.95	"	78.1	20.2	99.5	25-150				
Surrogate: M3PFBS	49.7		"	72.6		68.5	25-150				
Surrogate: M5PFHxA	62.5		"	78.1		80.0	25-150				
Surrogate: M4PFHpA	43.5		"	78.1		55.7	25-150				
Surrogate: M3PFHxS	65.5		"	73.9		88.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	78.5		"	78.1		100	25-150				
Surrogate: M6PFDA	69.0		"	78.1		88.3	25-150				
Surrogate: M7PFUdA	55.9		"	78.1		71.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	51.9		"	78.1		66.5	25-150				
Surrogate: M2PFTeDA	43.0		"	78.1		55.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	49.2		"	78.1		62.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	53.0		"	74.8		70.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	59.6		"	78.1		76.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.53		"	78.1		3.24	10-150				
Surrogate: d3-N-MeFOSAA	58.4		"	78.1		74.8	25-150				
Surrogate: d5-N-EtFOSAA	59.8		"	78.1		76.5	25-150				
Surrogate: M2-6:2 FTS	96.3		"	74.1		130	25-200				
Surrogate: M2-8:2 FTS	79.3		"	74.8		106	25-200				
Surrogate: M9PFNA	64.8		"	78.1		82.9	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21282 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BB21282-1) Matrix Spike Dup											
Source sample: 22B0034-09 (Matrix Spike Dup)										Prepared: 02/02/2022 Analyzed: 02/04/2022	
Perfluorobutanesulfonic acid (PFBS)	78.7	2.12	ng/L	75.0	7.42	95.0	25-150		0.891	35	
Perfluorohexanoic acid (PFHxA)	96.6	2.12	"	84.7	15.8	95.3	25-150		0.383	35	
Perfluoroheptanoic acid (PFHpA)	131	2.12	"	84.7	16.2	135	25-150		3.94	35	
Perfluorohexanesulfonic acid (PFHxS)	65.3	2.12	"	77.1	2.76	81.0	25-150		10.3	35	
Perfluorooctanoic acid (PFOA)	84.0	2.12	"	84.7	15.2	81.2	25-150		3.15	35	
Perfluorooctanesulfonic acid (PFOS)	118	2.12	"	78.4	25.4	118	25-150		0.542	35	
Perfluorononanoic acid (PFNA)	83.2	2.12	"	84.7	3.57	94.0	25-150		0.324	35	
Perfluorodecanoic acid (PFDA)	80.6	2.12	"	84.7	ND	95.2	25-150		7.77	35	
Perfluoroundecanoic acid (PFUnA)	79.0	2.12	"	84.7	ND	93.2	25-150		8.08	35	
Perfluorododecanoic acid (PFDoA)	84.0	2.12	"	84.7	ND	99.1	25-150		7.72	35	
Perfluorotridecanoic acid (PFTriDA)	74.0	2.12	"	84.7	ND	87.3	25-150		0.493	35	
Perfluorotetradecanoic acid (PFTA)	78.5	2.12	"	84.7	ND	92.6	25-150		1.07	35	
N-MeFOSAA	81.0	2.12	"	84.7	ND	95.6	25-150		2.95	35	
N-EtFOSAA	76.4	2.12	"	84.7	ND	90.2	25-150		6.21	35	
Perfluoropentanoic acid (PFPeA)	108	2.12	"	84.7	11.8	113	25-150		14.7	35	
Perfluoro-1-octanesulfonamide (FOSA)	88.9	2.12	"	84.7	ND	105	25-150		6.03	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	114	2.12	"	80.9	ND	140	25-150		9.48	35	
Perfluoro-1-decanesulfonic acid (PFDS)	77.9	2.12	"	81.8	ND	95.2	25-150		11.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	80.5	5.30	"	80.5	ND	100	25-200		17.7	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	83.5	2.12	"	81.4	ND	103	25-200		10.9	35	
Perfluoro-n-butanoic acid (PFBA)	109	2.12	"	84.7	20.2	105	25-150		11.1	35	
Surrogate: M3PFBS	62.3		"	78.7		79.2	25-150				
Surrogate: M5PFHxA	78.0		"	84.7		92.0	25-150				
Surrogate: M4PFHpA	52.9		"	84.7		62.4	25-150				
Surrogate: M3PFHxS	78.0		"	80.2		97.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	92.8		"	84.7		109	25-150				
Surrogate: M6PFDA	76.0		"	84.7		89.7	25-150				
Surrogate: M7PFUdA	64.0		"	84.7		75.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	58.4		"	84.7		68.9	25-150				
Surrogate: M2PFTeDA	44.7		"	84.7		52.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	59.0		"	84.7		69.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	63.8		"	81.1		78.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	71.9		"	84.7		84.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.33		"	84.7		3.94	10-150				
Surrogate: d3-N-MeFOSAA	72.3		"	84.7		85.3	25-150				
Surrogate: d5-N-EtFOSAA	67.1		"	84.7		79.2	25-150				
Surrogate: M2-6:2 FTS	110		"	80.4		137	25-200				
Surrogate: M2-8:2 FTS	84.2		"	81.2		104	25-200				
Surrogate: M9PFNA	76.3		"	84.7		90.0	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21294-BLK1) Blank										Prepared: 02/02/2022 Analyzed: 02/04/2022	
Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	4.28		"	4.50		95.1	25-150				
Surrogate: M5PFHxA	4.64		"	4.84		95.8	25-150				
Surrogate: M4PFHpA	4.38		"	4.84		90.5	25-150				
Surrogate: M3PFHxS	4.53		"	4.58		98.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.16		"	4.84		85.9	25-150				
Surrogate: M6PFDA	4.88		"	4.84		101	25-150				
Surrogate: M7PFUdA	3.71		"	4.84		76.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.49		"	4.84		72.0	25-150				
Surrogate: M2PFTeDA	3.14		"	4.84		64.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.48		"	4.84		92.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.13		"	4.64		89.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.73		"	4.84		97.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.38		"	4.84		69.7	10-150				
Surrogate: d3-N-MeFOSAA	3.44		"	4.84		71.1	25-150				
Surrogate: d5-N-EtFOSAA	3.96		"	4.84		81.7	25-150				
Surrogate: M2-6:2 FTS	5.06		"	4.60		110	25-200				
Surrogate: M2-8:2 FTS	3.26		"	4.64		70.3	25-200				
Surrogate: M9PFNA	3.95		"	4.84		81.5	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21294-BS1)	LCS										Prepared: 02/02/2022 Analyzed: 02/04/2022
Perfluorobutanesulfonic acid (PFBS)	4.41	0.245	ug/kg wet	4.34		102	50-130				
Perfluorohexanoic acid (PFHxA)	4.79	0.245	"	4.90		97.6	50-130				
Perfluoroheptanoic acid (PFHpA)	4.89	0.245	"	4.90		99.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.17	0.245	"	4.46		93.5	50-130				
Perfluorooctanoic acid (PFOA)	4.89	0.245	"	4.90		99.8	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.84	0.245	"	4.54		107	50-130				
Perfluorononanoic acid (PFNA)	4.72	0.245	"	4.90		96.3	50-130				
Perfluorodecanoic acid (PFDA)	4.57	0.245	"	4.90		93.1	50-130				
Perfluoroundecanoic acid (PFUnA)	4.81	0.245	"	4.90		98.1	50-130				
Perfluorododecanoic acid (PFDoA)	4.91	0.245	"	4.90		100	50-130				
Perfluorotridecanoic acid (PFTriDA)	4.67	0.245	"	4.90		95.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.69	0.245	"	4.90		95.7	50-130				
N-MeFOSAA	5.68	0.245	"	4.90		116	50-130				
N-EtFOSAA	4.97	0.245	"	4.90		101	50-130				
Perfluoropentanoic acid (PFPeA)	4.77	0.245	"	4.90		97.4	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.67	0.245	"	4.90		116	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.78	0.245	"	4.68		102	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.67	0.245	"	4.73		98.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.86	0.245	"	4.66		104	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.00	0.245	"	4.71		106	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.88	0.245	"	4.90		99.5	50-130				
Surrogate: M3PFBS	3.82		"	4.56		83.8	25-150				
Surrogate: M5PFHxA	4.29		"	4.90		87.5	25-150				
Surrogate: M4PFHpA	4.57		"	4.90		93.3	25-150				
Surrogate: M3PFHxS	4.34		"	4.64		93.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.42		"	4.90		90.2	25-150				
Surrogate: M6PFDA	4.27		"	4.90		87.0	25-150				
Surrogate: M7PFUdA	3.36		"	4.90		68.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.42		"	4.90		69.7	25-150				
Surrogate: M2PFTeDA	3.00		"	4.90		61.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.25		"	4.90		86.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.71		"	4.69		79.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.31		"	4.90		87.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.08		"	4.90		62.9	10-150				
Surrogate: d3-N-MeFOSAA	3.39		"	4.90		69.0	25-150				
Surrogate: d5-N-EtFOSAA	3.45		"	4.90		70.5	25-150				
Surrogate: M2-6:2 FTS	4.56		"	4.65		98.1	25-200				
Surrogate: M2-8:2 FTS	3.76		"	4.70		80.1	25-200				
Surrogate: M9PFNA	4.15		"	4.90		84.6	25-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m												
Matrix Spike (BB21294-MS1)	Matrix Spike	*Source sample: 22B0024-01 (Matrix Spike)						Prepared: 02/02/2022 Analyzed: 02/04/2022				
Perfluorobutanesulfonic acid (PFBS)	4.51	0.262	ug/kg dry	4.64	ND	97.3	25-150					
Perfluorohexanoic acid (PFHxA)	5.88	0.262	"	5.24	ND	112	25-150					
Perfluoroheptanoic acid (PFHpA)	5.60	0.262	"	5.24	ND	107	25-150					
Perfluorohexanesulfonic acid (PFHxS)	3.97	0.262	"	4.77	ND	83.3	25-150					
Perfluorooctanoic acid (PFOA)	6.00	0.262	"	5.24	ND	115	25-150					
Perfluorooctanesulfonic acid (PFOS)	6.26	0.262	"	4.85	ND	129	25-150					
Perfluorononanoic acid (PFNA)	6.16	0.262	"	5.24	ND	117	25-150					
Perfluorodecanoic acid (PFDA)	5.29	0.262	"	5.24	ND	101	25-150					
Perfluoroundecanoic acid (PFUnA)	5.26	0.262	"	5.24	ND	100	25-150					
Perfluorododecanoic acid (PFDoA)	5.91	0.262	"	5.24	ND	113	25-150					
Perfluorotridecanoic acid (PFTriDA)	6.09	0.262	"	5.24	ND	116	25-150					
Perfluorotetradecanoic acid (PFTA)	5.52	0.262	"	5.24	ND	105	25-150					
N-MeFOSAA	6.53	0.262	"	5.24	ND	125	25-150					
N-EtFOSAA	5.21	0.262	"	5.24	ND	99.5	25-150					
Perfluoropentanoic acid (PFPeA)	5.28	0.262	"	5.24	ND	101	25-150					
Perfluoro-1-octanesulfonamide (FOSA)	5.34	0.262	"	5.24	ND	102	25-150					
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.21	0.262	"	5.00	ND	144	25-150					
Perfluoro-1-decanesulfonic acid (PFDS)	4.95	0.262	"	5.06	ND	98.0	25-150					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.19	0.262	"	4.98	ND	104	25-200					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.90	0.262	"	5.03	ND	117	25-200					
Perfluoro-n-butanoic acid (PFBA)	5.63	0.262	"	5.24	ND	108	25-150					
Surrogate: M3PFBS	3.93		"	4.87		80.7	25-150					
Surrogate: M5PFHxA	4.35		"	5.24		82.9	25-150					
Surrogate: M4PFHpA	4.64		"	5.24		88.6	25-150					
Surrogate: M3PFHxS	4.61		"	4.96		93.0	25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.37		"	5.24		83.4	25-150					
Surrogate: M6PFDA	3.99		"	5.24		76.1	25-150					
Surrogate: M7PFUdA	3.40		"	5.24		64.8	25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.17		"	5.24		60.5	25-150					
Surrogate: M2PFTeDA	3.29		"	5.24		62.8	10-150					
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.36		"	5.24		83.3	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.10		"	5.01		61.8	25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.43		"	5.24		84.6	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.24		"	5.24		61.8	10-150					
Surrogate: d3-N-MeFOSAA	3.31		"	5.24		63.2	25-150					
Surrogate: d5-N-EtFOSAA	3.48		"	5.24		66.5	25-150					
Surrogate: M2-6:2 FTS	4.26		"	4.97		85.8	25-200					
Surrogate: M2-8:2 FTS	3.36		"	5.02		67.0	25-200					
Surrogate: M9PFNA	3.89		"	5.24		74.2	25-150					



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21294-1) Matrix Spike Dup						Source sample: 22B0024-01 (Matrix Spike Dup) Prepared: 02/02/2022 Analyzed: 02/04/2022					
Perfluorobutanesulfonic acid (PFBS)	4.87	0.267	ug/kg dry	4.73	ND	103	25-150		7.71	35	
Perfluorohexanoic acid (PFHxA)	5.60	0.267	"	5.35	ND	105	25-150		4.85	35	
Perfluoroheptanoic acid (PFHpA)	5.59	0.267	"	5.35	ND	104	25-150		0.288	35	
Perfluorohexanesulfonic acid (PFHxS)	4.19	0.267	"	4.87	ND	86.0	25-150		5.29	35	
Perfluorooctanoic acid (PFOA)	5.72	0.267	"	5.35	ND	107	25-150		4.79	35	
Perfluorooctanesulfonic acid (PFOS)	5.33	0.267	"	4.95	ND	108	25-150		16.1	35	
Perfluorononanoic acid (PFNA)	6.10	0.267	"	5.35	ND	114	25-150		0.927	35	
Perfluorodecanoic acid (PFDA)	4.93	0.267	"	5.35	ND	92.2	25-150		7.08	35	
Perfluoroundecanoic acid (PFUnA)	5.23	0.267	"	5.35	ND	97.8	25-150		0.504	35	
Perfluorododecanoic acid (PFDoA)	5.43	0.267	"	5.35	ND	102	25-150		8.42	35	
Perfluorotridecanoic acid (PFTriDA)	5.71	0.267	"	5.35	ND	107	25-150		6.47	35	
Perfluorotetradecanoic acid (PFTA)	5.44	0.267	"	5.35	ND	102	25-150		1.40	35	
N-MeFOSAA	6.15	0.267	"	5.35	ND	115	25-150		5.98	35	
N-EtFOSAA	6.37	0.267	"	5.35	ND	119	25-150		20.1	35	
Perfluoropentanoic acid (PFPeA)	5.49	0.267	"	5.35	ND	103	25-150		3.92	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.24	0.267	"	5.35	ND	98.0	25-150		1.77	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.51	0.267	"	5.11	ND	108	25-150		26.7	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.32	0.267	"	5.16	ND	83.7	25-150		13.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.02	0.267	"	5.08	ND	98.8	25-200		3.23	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	6.33	0.267	"	5.14	ND	123	25-200		7.02	35	
Perfluoro-n-butanoic acid (PFBA)	5.55	0.267	"	5.35	ND	104	25-150		1.57	35	
Surrogate: M3PFBS	3.56		"	4.97		71.7	25-150				
Surrogate: M5PFHxA	4.20		"	5.35		78.5	25-150				
Surrogate: M4PFHpA	4.36		"	5.35		81.5	25-150				
Surrogate: M3PFHxS	4.35		"	5.06		86.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.57		"	5.35		85.5	25-150				
Surrogate: M6PFDA	3.75		"	5.35		70.2	25-150				
Surrogate: M7PFUdA	3.40		"	5.35		63.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.47		"	5.35		64.9	25-150				
Surrogate: M2PFTeDA	3.34		"	5.35		62.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.22		"	5.35		78.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.57		"	5.12		69.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.27		"	5.35		79.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.12		"	5.35		58.4	10-150				
Surrogate: d3-N-MeFOSAA	3.19		"	5.35		59.6	25-150				
Surrogate: d5-N-EtFOSAA	2.96		"	5.35		55.3	25-150				
Surrogate: M2-6:2 FTS	4.54		"	5.08		89.3	25-200				
Surrogate: M2-8:2 FTS	2.94		"	5.12		57.4	25-200				
Surrogate: M9PFNA	3.77		"	5.35		70.5	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21238 - EPA 3550C

Blank (BB21238-BLK1)	Blank	Prepared: 02/02/2022 Analyzed: 02/03/2022									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								

Surrogate: Decachlorobiphenyl	0.0423	"	0.0664	63.6	30-150
Surrogate: Tetrachloro-m-xylene	0.0463	"	0.0664	69.7	30-150

LCS (BB21238-BS1)	LCS	Prepared: 02/02/2022 Analyzed: 02/03/2022									
4,4'-DDD	0.0251	0.00164	mg/kg wet	0.0332	75.6	40-140					
4,4'-DDE	0.0255	0.00164	"	0.0332	76.6	40-140					
4,4'-DDT	0.0181	0.00164	"	0.0332	54.3	40-140					
Aldrin	0.0425	0.00164	"	0.0332	128	40-140					
alpha-BHC	0.0414	0.00164	"	0.0332	125	40-140					
alpha-Chlordane	0.0399	0.00164	"	0.0332	120	40-140					
beta-BHC	0.0397	0.00164	"	0.0332	119	40-140					
delta-BHC	0.0360	0.00164	"	0.0332	108	40-140					
Dieldrin	0.0414	0.00164	"	0.0332	124	40-140					
Endosulfan I	0.0456	0.00164	"	0.0332	137	40-140					
Endosulfan II	0.0448	0.00164	"	0.0332	135	40-140					
Endosulfan sulfate	0.0374	0.00164	"	0.0332	113	40-140					
Endrin	0.0164	0.00164	"	0.0332	49.5	40-140					
Endrin aldehyde	0.0387	0.00164	"	0.0332	117	40-140					
Endrin ketone	0.0386	0.00164	"	0.0332	116	40-140					
gamma-BHC (Lindane)	0.0372	0.00164	"	0.0332	112	40-140					
gamma-Chlordane	0.0399	0.00164	"	0.0332	120	40-140					
Heptachlor	0.0272	0.00164	"	0.0332	81.8	40-140					
Heptachlor epoxide	0.0407	0.00164	"	0.0332	123	40-140					
Methoxychlor	0.0479	0.00164	"	0.0332	144	40-140 High Bias					

Surrogate: Decachlorobiphenyl	0.0600	"	0.0664	90.4	30-150
Surrogate: Tetrachloro-m-xylene	0.0661	"	0.0664	99.4	30-150



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21274 - EPA SW846-3510C Low Level

Blank (BB21274-BLK1)	Blank									Prepared: 02/02/2022 Analyzed: 02/04/2022
4,4'-DDD	ND	0.00400	ug/L							
4,4'-DDE	ND	0.00400	"							
4,4'-DDT	ND	0.00400	"							
Aldrin	ND	0.00400	"							
alpha-BHC	ND	0.00400	"							
alpha-Chlordane	ND	0.00400	"							
beta-BHC	ND	0.00400	"							
delta-BHC	ND	0.00400	"							
Dieldrin	ND	0.00200	"							
Endosulfan I	ND	0.00400	"							
Endosulfan II	ND	0.00400	"							
Endosulfan sulfate	ND	0.00400	"							
Endrin	ND	0.00400	"							
Endrin aldehyde	ND	0.0100	"							
Endrin ketone	ND	0.0100	"							
gamma-BHC (Lindane)	ND	0.00400	"							
gamma-Chlordane	ND	0.0100	"							
Heptachlor	ND	0.00400	"							
Heptachlor epoxide	ND	0.00400	"							
Methoxychlor	ND	0.00400	"							
Toxaphene	ND	0.100	"							
Chlordane, total	ND	0.200	"							
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0993</i>		<i>"</i>	<i>0.200</i>		<i>49.7</i>	<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.113</i>		<i>"</i>	<i>0.200</i>		<i>56.4</i>	<i>30-150</i>			

LCS (BB21274-BS1)	LCS									Prepared: 02/02/2022 Analyzed: 02/04/2022
4,4'-DDD	0.0782	0.00400	ug/L	0.100		78.2	40-140			
4,4'-DDE	0.0766	0.00400	"	0.100		76.6	40-140			
4,4'-DDT	0.0895	0.00400	"	0.100		89.5	40-140			
Aldrin	0.0912	0.00400	"	0.100		91.2	40-140			
alpha-BHC	0.0985	0.00400	"	0.100		98.5	40-140			
alpha-Chlordane	0.0889	0.00400	"	0.100		88.9	40-140			
beta-BHC	0.0913	0.00400	"	0.100		91.3	40-140			
delta-BHC	0.0915	0.00400	"	0.100		91.5	40-140			
Dieldrin	0.0907	0.00200	"	0.100		90.7	40-140			
Endosulfan I	0.0931	0.00400	"	0.100		93.1	40-140			
Endosulfan II	0.0881	0.00400	"	0.100		88.1	40-140			
Endosulfan sulfate	0.0766	0.00400	"	0.100		76.6	40-140			
Endrin	0.0909	0.00400	"	0.100		90.9	40-140			
Endrin aldehyde	0.0707	0.0100	"	0.100		70.7	40-140			
Endrin ketone	0.102	0.0100	"	0.100		102	40-140			
gamma-BHC (Lindane)	0.0992	0.00400	"	0.100		99.2	40-140			
gamma-Chlordane	0.0937	0.0100	"	0.100		93.7	40-140			
Heptachlor	0.0890	0.00400	"	0.100		89.0	40-140			
Heptachlor epoxide	0.0939	0.00400	"	0.100		93.9	40-140			
Methoxychlor	0.0857	0.00400	"	0.100		85.7	40-140			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.106</i>		<i>"</i>	<i>0.200</i>		<i>53.1</i>	<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.114</i>		<i>"</i>	<i>0.200</i>		<i>57.0</i>	<i>30-150</i>			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21274 - EPA SW846-3510C Low Level

Matrix Spike (BB21274-MS1)	Matrix Spike	*Source sample: 22B0034-09 (Matrix Spike)						Prepared: 02/02/2022 Analyzed: 02/04/2022			
4,4'-DDD	0.0841	0.00400	ug/L	0.100	ND	84.1	30-150				
4,4'-DDE	0.0646	0.00400	"	0.100	ND	64.6	30-150				
4,4'-DDT	0.0777	0.00400	"	0.100	ND	77.7	30-150				
Aldrin	0.0845	0.00400	"	0.100	ND	84.5	30-150				
alpha-BHC	0.0742	0.00400	"	0.100	ND	74.2	30-150				
alpha-Chlordane	0.0805	0.00400	"	0.100	ND	80.5	30-150				
beta-BHC	0.102	0.00400	"	0.100	ND	102	30-150				
delta-BHC	0.112	0.00400	"	0.100	ND	112	30-150				
Dieldrin	0.0760	0.00200	"	0.100	ND	76.0	30-150				
Endosulfan I	0.0758	0.00400	"	0.100	ND	75.8	30-150				
Endosulfan II	0.115	0.00400	"	0.100	ND	115	30-150				
Endosulfan sulfate	0.0801	0.00400	"	0.100	ND	80.1	30-150				
Endrin	0.0838	0.00400	"	0.100	ND	83.8	30-150				
Endrin aldehyde	0.0647	0.0100	"	0.100	ND	64.7	30-150				
Endrin ketone	0.0882	0.0100	"	0.100	ND	88.2	30-150				
gamma-BHC (Lindane)	0.0631	0.00400	"	0.100	ND	63.1	30-150				
gamma-Chlordane	0.0744	0.0100	"	0.100	ND	74.4	30-150				
Heptachlor	0.0758	0.00400	"	0.100	ND	75.8	30-150				
Heptachlor epoxide	0.0787	0.00400	"	0.100	ND	78.7	30-150				
Methoxychlor	0.0826	0.00400	"	0.100	ND	82.6	30-150				
Surrogate: Decachlorobiphenyl	0.0833		"	0.200		41.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0754		"	0.200		37.7	30-150				

Matrix Spike Dup (BB21274-1)	Matrix Spike Dup	*Source sample: 22B0034-09 (Matrix Spike Dup)						Prepared: 02/02/2022 Analyzed: 02/04/2022			
4,4'-DDD	0.0993	0.00410	ug/L	0.103	ND	96.8	30-150	16.7	20		
4,4'-DDE	0.0719	0.00410	"	0.103	ND	70.1	30-150	10.7	20		
4,4'-DDT	0.0845	0.00410	"	0.103	ND	82.3	30-150	8.28	20		
Aldrin	0.0926	0.00410	"	0.103	ND	90.3	30-150	9.14	20		
alpha-BHC	0.0831	0.00410	"	0.103	ND	81.0	30-150	11.3	20		
alpha-Chlordane	0.0900	0.00410	"	0.103	ND	87.8	30-150	11.1	20		
beta-BHC	0.118	0.00410	"	0.103	ND	115	30-150	14.8	20		
delta-BHC	0.115	0.00410	"	0.103	ND	112	30-150	2.80	20		
Dieldrin	0.0880	0.00205	"	0.103	ND	85.8	30-150	14.6	20		
Endosulfan I	0.0852	0.00410	"	0.103	ND	83.1	30-150	11.7	20		
Endosulfan II	0.0895	0.00410	"	0.103	ND	87.3	30-150	24.8	20		Non-dir.
Endosulfan sulfate	0.101	0.00410	"	0.103	ND	98.2	30-150	22.9	20		Non-dir.
Endrin	0.0889	0.00410	"	0.103	ND	86.7	30-150	5.88	20		
Endrin aldehyde	0.0811	0.0103	"	0.103	ND	79.1	30-150	22.4	20		Non-dir.
Endrin ketone	0.105	0.0103	"	0.103	ND	102	30-150	17.0	20		
gamma-BHC (Lindane)	0.0624	0.00410	"	0.103	ND	60.9	30-150	0.997	20		
gamma-Chlordane	0.0808	0.0103	"	0.103	ND	78.7	30-150	8.16	20		
Heptachlor	0.0830	0.00410	"	0.103	ND	80.9	30-150	9.11	20		
Heptachlor epoxide	0.0860	0.00410	"	0.103	ND	83.8	30-150	8.88	20		
Methoxychlor	0.0868	0.00410	"	0.103	ND	84.7	30-150	4.96	20		
Surrogate: Decachlorobiphenyl	0.0799		"	0.205		39.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0740		"	0.205		36.1	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1L0136 - BK12270

Performance Mix (Y1L0136-P Performance Mix)							Prepared & Analyzed: 11/30/2021				
4,4'-DDD	19.6		ng/mL	0.00			0-200				
4,4'-DDE	2.23		"	0.00			0-200				
4,4'-DDT	298		"	200		149	0-200				
Endrin	150		"	100		150	0-200				
Endrin aldehyde	2.82		"	0.00			0-200				
Endrin ketone	15.6		"	0.00			0-200				

Batch Y2A2409 - BK12270

Performance Mix (Y2A2409-F Performance Mix)							Prepared & Analyzed: 01/18/2022				
4,4'-DDD	0.985		ng/mL	0.00			0-200				
4,4'-DDE	0.559		"	0.00			0-200				
4,4'-DDT	48.6		"	200		24.3	0-200				
Endrin	29.9		"	100		29.9	0-200				
Endrin aldehyde	0.779		"	0.00			0-200				
Endrin ketone	1.09		"	0.00			0-200				

Batch Y2B0414 - BB21280

Performance Mix (Y2B0414-P Performance Mix)							Prepared & Analyzed: 02/03/2022				
4,4'-DDD	13.2		ng/mL	0.00			0-200				
4,4'-DDE	2.58		"	0.00			0-200				
4,4'-DDT	257		"	200		129	0-200				
Endrin	147		"	100		147	0-200				
Endrin aldehyde	3.79		"	0.00			0-200				
Endrin ketone	9.36		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y2B0715 - BB21154

Performance Mix (Y2B0715-P Performance Mix

Prepared & Analyzed: 02/04/2022

4,4'-DDD	12.7		ng/mL	0.00			0-200				
4,4'-DDE	2.91		"	0.00			0-200				
4,4'-DDT	223		"	200		111	0-200				
Endrin	134		"	100		134	0-200				
Endrin aldehyde	10.9		"	0.00			0-200				
Endrin ketone	15.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21238 - EPA 3550C

Blank (BB21238-BLK2)		Blank										Prepared & Analyzed: 02/02/2022	
Aroclor 1016	ND	0.0166	mg/kg wet										
Aroclor 1221	ND	0.0166	"										
Aroclor 1232	ND	0.0166	"										
Aroclor 1242	ND	0.0166	"										
Aroclor 1248	ND	0.0166	"										
Aroclor 1254	ND	0.0166	"										
Aroclor 1260	ND	0.0166	"										
Total PCBs	ND	0.0166	"										
Surrogate: Tetrachloro-m-xylene	0.0322		"	0.0664		48.5	30-120						
Surrogate: Decachlorobiphenyl	0.0329		"	0.0664		49.5	30-120						

LCS (BB21238-BS2)		LCS										Prepared: 02/02/2022 Analyzed: 02/03/2022	
Aroclor 1016	0.276	0.0166	mg/kg wet	0.332		83.0	40-130						
Aroclor 1260	0.302	0.0166	"	0.332		91.0	40-130						
Surrogate: Tetrachloro-m-xylene	0.0415		"	0.0664		62.5	30-120						
Surrogate: Decachlorobiphenyl	0.0435		"	0.0664		65.5	30-120						

Batch BB21274 - EPA SW846-3510C Low Level

Blank (BB21274-BLK2)		Blank										Prepared: 02/02/2022 Analyzed: 02/03/2022	
Aroclor 1016	ND	0.0500	ug/L										
Aroclor 1221	ND	0.0500	"										
Aroclor 1232	ND	0.0500	"										
Aroclor 1242	ND	0.0500	"										
Aroclor 1248	ND	0.0500	"										
Aroclor 1254	ND	0.0500	"										
Aroclor 1260	ND	0.0500	"										
Total PCBs	ND	0.0500	"										
Surrogate: Tetrachloro-m-xylene	0.160		"	0.200		80.0	30-120						
Surrogate: Decachlorobiphenyl	0.159		"	0.200		79.5	30-120						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21274 - EPA SW846-3510C Low Level

LCS (BB21274-BS2) LCS Prepared: 02/02/2022 Analyzed: 02/03/2022

Aroclor 1016	0.803	0.0500	ug/L	1.00		80.3	40-120				
Aroclor 1260	0.895	0.0500	"	1.00		89.5	40-120				
Surrogate: Tetrachloro-m-xylene	0.129		"	0.200		64.5	30-120				
Surrogate: Decachlorobiphenyl	0.140		"	0.200		70.0	30-120				

Matrix Spike (BB21274-MS2) Matrix Spike *Source sample: 22B0034-09 (Matrix Spike) Prepared: 02/02/2022 Analyzed: 02/04/2022

Aroclor 1016	0.758	0.0526	ug/L	1.05	ND	72.0	40-140				
Aroclor 1260	0.695	0.0526	"	1.05	ND	66.0	40-140				
Surrogate: Tetrachloro-m-xylene	0.148		"	0.211		70.5	30-120				
Surrogate: Decachlorobiphenyl	0.0789		"	0.211		37.5	30-120				

Matrix Spike Dup (BB21274-MS2) Matrix Spike Dup *Source sample: 22B0034-09 (Matrix Spike Dup) Prepared: 02/02/2022 Analyzed: 02/04/2022

Aroclor 1016	0.793	0.0513	ug/L	1.03	ND	77.3	40-140		4.53	50	
Aroclor 1260	0.702	0.0513	"	1.03	ND	68.4	40-140		0.914	50	
Surrogate: Tetrachloro-m-xylene	0.151		"	0.205		73.5	30-120				
Surrogate: Decachlorobiphenyl	0.0728		"	0.205		35.5	30-120				

Batch Y2B0320 - BB21148

Aroclor Reference (Y2B0320-Aroclor Reference) Prepared & Analyzed: 02/02/2022

Surrogate: Tetrachloro-m-xylene	0.197		ug/mL	0.200		98.5					
Surrogate: Decachlorobiphenyl	0.211		"	0.200		106					

Batch Y2B0332 - BB21274

Aroclor Reference (Y2B0332-Aroclor Reference) Prepared & Analyzed: 02/03/2022

Surrogate: Tetrachloro-m-xylene	0.179		ug/mL	0.200		89.5					
Surrogate: Decachlorobiphenyl	0.204		"	0.200		102					



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y2B0411 - BB21242

Aroclor Reference (Y2B0411)-/ Aroclor Reference

Prepared & Analyzed: 02/03/2022

Surrogate: Tetrachloro-m-xylene	0.204		ug/mL	0.200		102					
Surrogate: Decachlorobiphenyl	0.195		"	0.200		97.5					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21349 - EPA 8151A												
Blank (BB21349-BLK1)	Blank								Prepared: 02/04/2022 Analyzed: 02/07/2022			
2,4,5-T	ND	5.00	ug/L									
2,4,5-TP (Silvex)	ND	5.00	"									
2,4-D	ND	5.00	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	81.2		"	125		65.0	30-150					
LCS (BB21349-BS1)	LCS								Prepared: 02/04/2022 Analyzed: 02/07/2022			
2,4,5-T	15.5	5.00	ug/L	40.0		38.8	10-140					
2,4,5-TP (Silvex)	16.8	5.00	"	40.0		41.9	10-139					
2,4-D	17.5	5.00	"	40.0		43.8	10-140					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	78.5		"	125		62.8	30-150					
Matrix Spike (BB21349-MS1)	Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)						Prepared: 02/03/2022 Analyzed: 02/07/2022				
2,4,5-T	15.2	5.00	ug/L	40.0	ND	38.1	30-150					
2,4,5-TP (Silvex)	16.2	5.00	"	40.0	ND	40.6	30-150					
2,4-D	17.5	5.00	"	40.0	ND	43.8	30-150					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	78.8		"	125		63.0	30-150					
Matrix Spike Dup (BB21349-MS1)	Matrix Spike Dup	*Source sample: 22B0058-03 (Matrix Spike Dup)						Prepared: 02/03/2022 Analyzed: 02/07/2022				
2,4,5-T	9.50	5.00	ug/L	40.0	ND	23.8	30-150	Low Bias	46.5	30	Non-dir.	
2,4,5-TP (Silvex)	10.0	5.00	"	40.0	ND	25.0	30-150	Low Bias	47.6	30	Non-dir.	
2,4-D	10.5	5.00	"	40.0	ND	26.2	30-150	Low Bias	50.0	30	Non-dir.	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	61.8		"	125		49.4	30-150					
Batch BB21350 - EPA 3550C/8151A												
Blank (BB21350-BLK1)	Blank								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0200	mg/kg wet									
2,4,5-TP (Silvex)	ND	0.0200	"									
2,4-D	ND	0.0200	"									
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.328		"	0.417		78.6	21-150					



Chlorinated Herbicides by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21350 - EPA 3550C/8151A												
LCS (BB21350-BS1)	LCS						Prepared: 02/03/2022 Analyzed: 02/04/2022					
2,4,5-T	0.0717	0.0200	mg/kg wet	0.133		53.8	10-120					
2,4,5-TP (Silvex)	0.0783	0.0200	"	0.133		58.8	10-120					
2,4-D	0.0792	0.0200	"	0.133		59.4	10-118					
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.336		"	0.417		80.6	21-150					
Matrix Spike (BB21350-MS1)	Matrix Spike	*Source sample: 22A1172-02 (Matrix Spike)						Prepared: 02/03/2022 Analyzed: 02/04/2022				
2,4,5-T	ND	0.0223	mg/kg dry	0.148	ND		10-120	Low Bias				
2,4,5-TP (Silvex)	ND	0.0223	"	0.148	ND		10-120	Low Bias				
2,4-D	ND	0.0223	"	0.148	ND		10-118	Low Bias				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.0482		"	0.464		10.4	21-150					
Matrix Spike Dup (BB21350-MS1)	Matrix Spike Dup	*Source sample: 22A1172-02 (Matrix Spike Dup)						Prepared: 02/03/2022 Analyzed: 02/04/2022				
2,4,5-T	ND	0.0223	mg/kg dry	0.148	ND		10-120	Low Bias		35		
2,4,5-TP (Silvex)	ND	0.0223	"	0.148	ND		10-120	Low Bias		35		
2,4-D	ND	0.0223	"	0.148	ND		10-118	Low Bias		35		
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	0.0278		"	0.464		6.00	21-150					



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

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

Batch BB21248 - EPA 3015A

Blank (BB21248-BLK1) Blank Prepared: 02/02/2022 Analyzed: 02/03/2022

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.398	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	0.298	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.331	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BB21248-BS1) LCS Prepared: 02/02/2022 Analyzed: 02/03/2022

Aluminum	2.02		ug/mL	2.00	101	80-120					
Barium	2.08		"	2.00	104	80-120					
Calcium	1.19		"	1.00	119	80-120					
Chromium	0.194		"	0.200	97.1	80-120					
Cobalt	0.505		"	0.500	101	80-120					
Copper	0.246		"	0.250	98.5	80-120					
Iron	1.05		"	1.00	105	80-120					
Lead	0.513		"	0.500	103	80-120					
Magnesium	1.04		"	1.00	104	80-120					
Manganese	0.512		"	0.500	102	80-120					
Nickel	0.494		"	0.500	98.8	80-120					
Potassium	1.07		"	1.00	107	80-120					
Silver	0.0496		"	0.0500	99.2	80-120					
Sodium	1.19		"	1.00	119	80-120					
Vanadium	0.496		"	0.500	99.2	80-120					
Zinc	0.478		"	0.500	95.7	80-120					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21248 - EPA 3015A

Duplicate (BB21248-DUP1)	Duplicate	*Source sample: 22B0047-04 (059_FB_20220201)					Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum	0.0977	0.0556	mg/L	1.90	1.90				180	20	Non-dir.	
Barium	ND	0.0278	"	ND	ND					20		
Calcium	0.241	0.0556	"	0.360	0.360			39.5	20	Non-dir.		
Chromium	0.0251	0.00556	"	ND	ND					20		
Cobalt	ND	0.00444	"	ND	ND					20		
Copper	ND	0.0222	"	ND	ND					20		
Iron	ND	0.278	"	ND	ND					20		
Lead	ND	0.00556	"	ND	ND					20		
Magnesium	ND	0.0556	"	0.0710	0.0710					20		
Manganese	ND	0.00556	"	0.0180	0.0180					20		
Nickel	ND	0.0111	"	ND	ND					20		
Potassium	0.431	0.0556	"	0.598	0.598			32.5	20	Non-dir.		
Silver	ND	0.00556	"	ND	ND					20		
Sodium	ND	0.556	"	ND	ND					20		
Vanadium	ND	0.0111	"	ND	ND					20		
Zinc	0.0717	0.0278	"	0.517	0.517			151	20	Non-dir.		

Matrix Spike (BB21248-MS1)	Matrix Spike	*Source sample: 22B0047-04 (059_FB_20220201)					Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum	2.36	0.0556	mg/L	2.22	1.90	20.6	75-125	Low Bias				
Barium	2.32	0.0278	"	2.22	ND	105	75-125					
Calcium	1.44	0.0556	"	1.11	0.360	97.5	75-125					
Chromium	0.228	0.00556	"	0.222	ND	102	75-125					
Cobalt	0.572	0.00444	"	0.556	ND	103	75-125					
Copper	0.274	0.0222	"	0.278	ND	98.6	75-125					
Iron	1.32	0.278	"	1.11	ND	119	75-125					
Lead	0.579	0.00556	"	0.556	ND	104	75-125					
Magnesium	1.24	0.0556	"	1.11	0.0710	105	75-125					
Manganese	0.574	0.00556	"	0.556	0.0180	100	75-125					
Nickel	0.566	0.0111	"	0.556	ND	102	75-125					
Potassium	1.51	0.0556	"	1.11	0.598	82.1	75-125					
Silver	0.0565	0.00556	"	0.0556	ND	102	75-125					
Sodium	1.32	0.556	"	1.11	ND	119	75-125					
Vanadium	0.558	0.0111	"	0.556	ND	100	75-125					
Zinc	0.597	0.0278	"	0.556	0.517	14.4	75-125	Low Bias				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21248 - EPA 3015A

Post Spike (BB21248-PS1)	Post Spike	*Source sample: 22B0047-04 (059_FB_20220201)					Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum		3.85	ug/mL	2.00	1.71	107	75-125					
Barium		2.17	"	2.00	-0.000168	109	75-125					
Calcium		1.42	"	1.00	0.324	110	75-125					
Chromium		0.205	"	0.200	0.000700	102	75-125					
Cobalt		0.529	"	0.500	-0.000138	106	75-125					
Copper		0.263	"	0.250	0.00243	104	75-125					
Iron		1.22	"	1.00	0.155	106	75-125					
Lead		0.537	"	0.500	0.000162	107	75-125					
Magnesium		1.13	"	1.00	0.0639	106	75-125					
Manganese		0.551	"	0.500	0.0162	107	75-125					
Nickel		0.515	"	0.500	-0.00408	103	75-125					
Potassium		1.40	"	1.00	0.538	85.9	75-125					
Silver		0.0416	"	0.0500	-0.00240	83.1	75-125					
Sodium		1.18	"	1.00	0.182	100	75-125					
Vanadium		0.519	"	0.500	-0.000202	104	75-125					
Zinc		0.966	"	0.500	0.465	100	75-125					

Batch BB21285 - EPA 3050B

Blank (BB21285-BLK1)	Blank				Prepared: 02/02/2022 Analyzed: 02/03/2022							
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	8.77	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	5.78	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	36.5	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	136	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21285 - EPA 3050B

Duplicate (BB21285-DUP1)	Duplicate	*Source sample: 22B0047-03 (058_LSB-15_15-17)					Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum	12500	5.91	mg/kg dry	11500					8.69	35		
Antimony	4.56	2.96	"	3.95					14.2	35		
Arsenic	ND	1.77	"	ND						35		
Barium	104	2.96	"	91.6					13.1	35		
Beryllium	ND	0.059	"	ND						35		
Cadmium	ND	0.355	"	ND						35		
Calcium	2510	5.91	"	1950					25.4	35		
Chromium	31.9	0.591	"	26.4					18.6	35		
Cobalt	13.4	0.473	"	12.2					9.92	35		
Copper	28.3	2.37	"	24.0					16.8	35		
Iron	24300	29.6	"	21500					12.0	35		
Lead	11.8	0.591	"	8.21					36.1	35	Non-dir.	
Magnesium	4210	5.91	"	4200					0.196	35		
Manganese	179	0.591	"	152					16.2	35		
Nickel	34.0	1.18	"	29.0					16.0	35		
Potassium	3510	5.91	"	3740					6.37	35		
Selenium	ND	2.96	"	ND						35		
Silver	0.927	0.591	"	1.00					7.66	35		
Sodium	143	59.1	"	148					3.65	35		
Thallium	ND	2.96	"	ND						35		
Vanadium	42.3	1.18	"	38.8					8.65	35		
Zinc	48.4	2.96	"	43.6					10.4	35		

Matrix Spike (BB21285-MS1)	Matrix Spike	*Source sample: 22B0047-03 (058_LSB-15_15-17)					Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum	12000	5.91	mg/kg dry	237	11500	215	75-125	High Bias				
Antimony	14.1	2.96	"	29.6	3.95	34.5	75-125	Low Bias				
Arsenic	250	1.77	"	237	ND	106	75-125					
Barium	373	2.96	"	237	91.6	119	75-125					
Beryllium	4.99	0.059	"	5.91	ND	84.3	75-125					
Cadmium	6.68	0.355	"	5.91	ND	113	75-125					
Calcium	3110	5.91	"	118	1950	979	75-125	High Bias				
Chromium	56.6	0.591	"	23.7	26.4	128	75-125	High Bias				
Cobalt	81.8	0.473	"	59.1	12.2	118	75-125					
Copper	62.7	2.37	"	29.6	24.0	131	75-125	High Bias				
Iron	23000	29.6	"	118	21500	NR	75-125	High Bias				
Lead	79.2	0.591	"	59.1	8.21	120	75-125					
Magnesium	4440	5.91	"	118	4200	201	75-125	High Bias				
Manganese	233	0.591	"	59.1	152	137	75-125	High Bias				
Nickel	101	1.18	"	59.1	29.0	123	75-125					
Potassium	3840	5.91	"	118	3740	85.4	75-125					
Selenium	202	2.96	"	237	ND	85.4	75-125					
Silver	6.83	0.591	"	5.91	1.00	98.5	75-125					
Sodium	276	59.1	"	118	148	108	75-125					
Thallium	242	2.96	"	237	ND	102	75-125					
Vanadium	105	1.18	"	59.1	38.8	112	75-125					
Zinc	114	2.96	"	59.1	43.6	119	75-125					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21285 - EPA 3050B

Post Spike (BB21285-PS1)	Post Spike	*Source sample: 22B0047-03 (058 LSB-15 15-17)					Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum	99.0		ug/mL	2.00	97.1	96.7	75-125					
Antimony	0.329		"	0.250	0.033	118	75-125					
Arsenic	2.19		"	2.00	0.007	109	75-125					
Barium	3.12		"	2.00	0.774	117	75-125					
Beryllium	0.042		"	0.0500	-0.016	84.6	75-125					
Cadmium	0.057		"	0.0500	0.0008	113	75-125					
Calcium	17.3		"	1.00	16.5	78.3	75-125					
Chromium	0.441		"	0.200	0.223	109	75-125					
Cobalt	0.684		"	0.500	0.103	116	75-125					
Copper	0.485		"	0.250	0.203	113	75-125					
Iron	179		"	1.00	182	NR	75-125	Low Bias				
Lead	0.647		"	0.500	0.069	115	75-125					
Magnesium	35.6		"	1.00	35.5	7.48	75-125	Low Bias				
Manganese	1.83		"	0.500	1.29	109	75-125					
Nickel	0.826		"	0.500	0.245	116	75-125					
Potassium	32.7		"	1.00	31.6	111	75-125					
Selenium	1.82		"	2.00	-0.159	90.8	75-125					
Silver	0.056		"	0.0500	0.008	96.0	75-125					
Sodium	2.15		"	1.00	1.26	89.3	75-125					
Thallium	2.09		"	2.00	-0.052	104	75-125					
Vanadium	0.888		"	0.500	0.328	112	75-125					
Zinc	0.922		"	0.500	0.369	111	75-125					

Reference (BB21285-SRM1)	Reference						Prepared: 02/02/2022 Analyzed: 02/03/2022					
Aluminum	11200	5.00	mg/kg wet	8130		137	49.9-150.1					
Antimony	94.8	2.50	"	134		70.7	19.3-250					
Arsenic	197	1.50	"	156		126	69.9-130.1					
Barium	316	2.50	"	239		132	74.9-124.7	High Bias				
Beryllium	212	0.050	"	169		126	75.1-125.4	High Bias				
Cadmium	173	0.300	"	137		126	75.2-124.8	High Bias				
Calcium	5910	5.00	"	4760		124	72.7-127.5					
Chromium	193	0.500	"	154		125	70.1-129.9					
Cobalt	157	0.400	"	121		130	75-124.8	High Bias				
Copper	76.1	2.00	"	54.9		139	74.9-125	High Bias				
Iron	18400	25.0	"	14100		131	34.9-164.5					
Lead	159	0.500	"	130		123	71.8-128.5					
Magnesium	2910	5.00	"	2320		126	62.1-137.9					
Manganese	346	0.500	"	269		129	74-126.4	High Bias				
Nickel	89.0	1.00	"	53.9		165	69.9-129.9	High Bias				
Potassium	2560	5.00	"	2020		127	58.9-141.1					
Selenium	172	2.50	"	167		103	67.7-132.3					
Silver	42.0	0.500	"	33.6		125	68.5-131.3					
Sodium	227	50.0	"	133		171	35-165.4	High Bias				
Thallium	133	2.50	"	112		119	67.9-131.3					
Vanadium	78.0	1.00	"	62.6		125	59.1-141.1					
Zinc	196	2.50	"	158		124	70.3-129.7					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21249 - EPA 3015A

Blank (BB21249-BLK1)		Blank		Prepared: 02/02/2022 Analyzed: 02/04/2022							
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								

LCS (BB21249-BS1)		LCS		Prepared: 02/02/2022 Analyzed: 02/04/2022							
Antimony	48.3		ug/L	50.0	96.7	80-120					
Arsenic	48.9		"	50.0	97.8	80-120					
Beryllium	52.6		"	50.0	105	80-120					
Cadmium	52.0		"	50.0	104	80-120					
Selenium	50.9		"	50.0	102	80-120					
Thallium	54.7		"	50.0	109	80-120					

Duplicate (BB21249-DUP1)		Duplicate		*Source sample: 22B0034-06 (Duplicate)				Prepared: 02/02/2022 Analyzed: 02/04/2022			
Antimony	ND	0.00111	mg/L		ND						20
Arsenic	0.00359	0.00111	"		0.00396				9.79		20
Beryllium	ND	0.000333	"		ND						20
Cadmium	ND	0.000556	"		ND						20
Selenium	0.00748	0.00111	"		0.00658				12.8		20
Thallium	ND	0.00111	"		ND						20

Matrix Spike (BB21249-MS1)		Matrix Spike		*Source sample: 22B0034-06 (Matrix Spike)				Prepared: 02/02/2022 Analyzed: 02/04/2022			
Antimony	50.7		ug/L	50.0	0.322	101	75-125				
Arsenic	55.0		"	50.0	3.57	103	75-125				
Beryllium	46.1		"	50.0	0.006	92.3	75-125				
Cadmium	47.2		"	50.0	0.015	94.3	75-125				
Selenium	43.4		"	50.0	5.92	75.0	75-125				
Thallium	49.4		"	50.0	0.003	98.9	75-125				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21230 - EPA SW846-7470A												
Blank (BB21230-BLK1)	Blank										Prepared & Analyzed: 02/01/2022	
Mercury	ND	0.0002	mg/L									
LCS (BB21230-BS1)	LCS										Prepared & Analyzed: 02/01/2022	
Mercury	0.0020310	0.0002	mg/L	0.00200		102	80-120					
Duplicate (BB21230-DUP1)	Duplicate	*Source sample: 22B0034-09 (Duplicate)										Prepared & Analyzed: 02/01/2022
Mercury	ND	0.0002	mg/L		ND						20	
Matrix Spike (BB21230-MS1)	Matrix Spike	*Source sample: 22B0034-09 (Matrix Spike)										Prepared & Analyzed: 02/01/2022
Mercury	0.0021	0.0002	mg/L	0.00200	ND	103	75-125					
Batch BB21412 - EPA 7473 soil												
Blank (BB21412-BLK1)	Blank										Prepared & Analyzed: 02/04/2022	
Mercury	ND	0.0300	mg/kg wet									
Duplicate (BB21412-DUP1)	Duplicate	*Source sample: 22A1080-01 (Duplicate)										Prepared & Analyzed: 02/04/2022
Mercury	0.432	0.0334	mg/kg dry		0.417					3.74	35	
Matrix Spike (BB21412-MS1)	Matrix Spike	*Source sample: 22A1080-01 (Matrix Spike)										Prepared & Analyzed: 02/04/2022
Mercury	0.934		mg/kg	0.500	0.375	112	75-125					
Reference (BB21412-SRM1)	Reference										Prepared & Analyzed: 02/04/2022	
Mercury	25.276		mg/kg	27.2		92.9	59.9-140.1					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21232 - Analysis Preparation												
Blank (BB21232-BLK1)	Blank										Prepared & Analyzed: 02/01/2022	
Chromium, Hexavalent	ND	0.0100	mg/L									
LCS (BB21232-BS1)	LCS										Prepared & Analyzed: 02/01/2022	
Chromium, Hexavalent	0.513	0.0100	mg/L	0.500		103	80-120					
Duplicate (BB21232-DUP1)	Duplicate	*Source sample: 22B0047-04 (059_FB_20220201)										Prepared & Analyzed: 02/01/2022
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20	
Matrix Spike (BB21232-MS1)	Matrix Spike	*Source sample: 22B0047-04 (059_FB_20220201)										Prepared & Analyzed: 02/01/2022
Chromium, Hexavalent	0.524	0.0100	mg/L	0.500	ND	105	75-125					
Batch BB21243 - Analysis Preparation Soil												
Blank (BB21243-BLK1)	Blank										Prepared & Analyzed: 02/02/2022	
Cyanide, total	ND	0.500	mg/kg wet									
Duplicate (BB21243-DUP1)	Duplicate	*Source sample: 22B0047-03 (058_LSB-15_15-17)										Prepared & Analyzed: 02/02/2022
Cyanide, total	ND	0.591	mg/kg dry		ND						15	
Matrix Spike (BB21243-MS1)	Matrix Spike	*Source sample: 22B0047-03 (058_LSB-15_15-17)										Prepared & Analyzed: 02/02/2022
Cyanide, total	10.4	0.591	mg/kg dry	11.8	ND	88.1	79.6-107					
Reference (BB21243-SRM1)	Reference										Prepared & Analyzed: 02/02/2022	
Cyanide, total	86.9		ug/mL	86.8		100	41.82-157.83					
Batch BB21244 - Analysis Preparation												
Blank (BB21244-BLK1)	Blank										Prepared & Analyzed: 02/02/2022	
Cyanide, total	ND	0.0100	mg/L									



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21244 - Analysis Preparation											
LCS (BB21244-BS1)	LCS								Prepared & Analyzed: 02/02/2022		
Cyanide, total	0.176	0.0100	mg/L	0.200		88.1	76.2-107				
Duplicate (BB21244-DUP1)	Duplicate								Prepared & Analyzed: 02/02/2022		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BB21244-MS1)	Matrix Spike								Prepared & Analyzed: 02/02/2022		
Cyanide, total	0.196	0.0100	mg/L	0.200	ND	98.1	79-105				
Batch BB21252 - EPA SW846-3060											
Blank (BB21252-BLK1)	Blank								Prepared & Analyzed: 02/02/2022		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB21252-DUP1)	Duplicate								Prepared & Analyzed: 02/02/2022		
Chromium, Hexavalent	ND	0.575	mg/kg dry		ND					35	
Matrix Spike (BB21252-MS1)	Matrix Spike								Prepared & Analyzed: 02/02/2022		
Chromium, Hexavalent	20.6	0.575	mg/kg dry	23.0	ND	89.6	75-125				
Reference (BB21252-SRM1)	Reference								Prepared & Analyzed: 02/02/2022		
Chromium, Hexavalent	105		mg/L	109		96.0	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21270 - % Solids Prep

Duplicate (BB21270-DUP1)	Duplicate	*Source sample: 22B0050-09 (Duplicate)					Prepared & Analyzed: 02/02/2022					
% Solids	85.2	0.100	%		88.8				4.09	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0047-01	056_LSB-14_15-17	40mL Vial with Stir Bar-Cool 4° C
22B0047-02	057_DUP_4	40mL Vial with Stir Bar-Cool 4° C
22B0047-03	058_LSB-15_15-17	40mL Vial with Stir Bar-Cool 4° C
22B0047-04	059_FB_20220201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0047-05	060_TB_20220201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0047-06	061_MW-7_20220201	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SRD1	The serial dilution for this element was outside control limits.
Ca-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-CRL	The RL check for this element recovered outside of control limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
S-08	The recovery of this surrogate was outside of QC limits.
PFSUBS	The aqueous sample contained appreciable levels of sediment requiring sub-sampling by decantation.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
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.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.

Definitions and Other Explanations

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



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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'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. 22 B 0047

Page 1 of 1

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 clientservices@yorklab.com www.yorklab.com 800-306-YORK 800-306-9875

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>Langan</u>	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	RUSH - Next Day	<input checked="" type="checkbox"/>
Address: <u>300 Kimball Drive</u>	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	RUSH - Two Day	
Phone: <u>Parsippany, NJ</u>	Phone: _____	Phone: _____	Phone: _____	Phone: _____	Phone: _____	Phone: _____	Phone: _____	RUSH - Three Day	
Contact: <u>973 560 4900</u>	Contact: _____	Contact: _____	Contact: _____	Contact: _____	Contact: _____	Contact: _____	Contact: _____	RUSH - Four Day	
Email: <u>Molly.Mattern@Langan.com</u>	Email: _____	Email: _____	Email: _____	Email: _____	Email: _____	Email: _____	Email: _____	Standard (5-7 Day)	

Matrix Codes
 S - soil / solid
 GW - groundwater
 DW - drinking water
 WW - wastewater
 O - Oil | Other: _____

Report / EDD Type (circle selections)
 Summary Report CT RCP Standard Excel EDD
 QA Report CT RCP DQ/DUE EQUIS (Standard)
 NY ASP A Package NJDEP Reduced EQUIS
 NY ASP B Package Deliverables NJDEP SRP HazSite
 NJDKQP Other: _____

YORK Reg. Comp.
 Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type	Analysis Requested	Container Description
<u>056-LSB-14-15-17</u>	<u>S</u>	<u>S</u>	<u>2/1/22 0900</u>	<u>X</u>	<u>NYSDEC Part 375 VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals</u>	
<u>057-DUP-34</u>	<u>S</u>	<u>S</u>	<u>1050</u>			
<u>058-LSB-15-15-17</u>	<u>S</u>	<u>S</u>	<u>1045</u>			
<u>059-FB-059-FB-20220201</u>	<u>AG</u>	<u>AG</u>	<u>1200</u>		<u>hexavalent chromium, total cyanide</u>	
<u>060-FB-20220201</u>	<u>AG</u>	<u>AG</u>			<u>PFTAs, 1,4-dioxane</u>	
<u>061-FAN-07-061-MW-1-20</u>	<u>GW</u>	<u>GW</u>	<u>1500</u>		<u>VOCs</u>	<u>(W)</u>
					<u>VOCs</u>	

Comments:
*3 DAY TAT

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

1. Samples Received by / Company <u>Morgan Mubride / Langan</u>	2. Samples Requisitioned by / Company <u>Molly Mattern</u>	Date/Time <u>2/1/22 1605</u>	Date/Time <u>2-1-22</u>
3. Samples Received by / Company <u>exile</u>	3. Samples Received by / Company <u>Molly Mattern</u>	Date/Time <u>2/1/22 1715</u>	Date/Time <u>2-1-22</u>
4. Samples Received by / Company <u>exile</u>	4. Samples Received by / Company <u>Molly Mattern</u>	Date/Time <u>2/1/22 1715</u>	Date/Time <u>2-1-22</u>



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Molly Mattern

Report Date: 02/07/2022

Client Project ID: 100963701

York Project (SDG) No.: 22B0086

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/07/2022
Client Project ID: 100963701
York Project (SDG) No.: 22B0086

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 03, 2022 and listed below. The project was identified as your project: **100963701**.

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>
22B0086-01	062_MW-7_28	Water	02/02/2022	02/03/2022
22B0086-02	063_DUP-5	Water	02/02/2022	02/03/2022
22B0086-03	064_MW-6_28	Water	02/02/2022	02/03/2022
22B0086-04	065_MW-6_45	Water	02/02/2022	02/03/2022
22B0086-05	066_TB_02022022	Water	02/02/2022	02/03/2022

General Notes for York Project (SDG) No.: 22B0086

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: 02/07/2022





Sample Information

Client Sample ID: 062_MW-7_28

York Sample ID: 22B0086-01

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 9:20 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-35-4	1,1-Dichloroethylene	0.370		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 15:05	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG



Sample Information

Client Sample ID: 062_MW-7_28

York Sample ID: 22B0086-01

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 9:20 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
67-64-1	Acetone	2.06		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
71-43-2	Benzene	0.720		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
67-66-3	Chloroform	10.2		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG



Sample Information

Client Sample ID: 062_MW-7_28

York Sample ID: 22B0086-01

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 9:20 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	96.8		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
100-41-4	Ethyl Benzene	0.550		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-09-2	Methylene chloride	1.92		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
100-42-5	Styrene	0.710		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG



Sample Information

Client Sample ID: 062_MW-7_28

York Sample ID: 22B0086-01

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 9:20 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	65.3		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-88-3	Toluene	0.690		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
156-60-5	trans-1,2-Dichloroethylene	0.850		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
79-01-6	Trichloroethylene	94.6		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
75-01-4	Vinyl Chloride	0.760	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:05	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 15:05	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	79-122								



Sample Information

Client Sample ID: 063_DUP-5

York Sample ID: 22B0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 9:25 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-35-4	1,1-Dichloroethylene	0.390		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 15:32	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG



Sample Information

Client Sample ID: 063_DUP-5

York Sample ID: 22B0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 9:25 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
78-93-3	2-Butanone	12.5	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
67-64-1	Acetone	2.27		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
71-43-2	Benzene	0.680		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
67-66-3	Chloroform	10.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
156-59-2	cis-1,2-Dichloroethylene	103		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG



Sample Information

Client Sample ID: 063_DUP-5

York Sample ID: 22B0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 9:25 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
100-41-4	Ethyl Benzene	0.560		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-09-2	Methylene chloride	1.73		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
100-42-5	Styrene	0.760		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
127-18-4	Tetrachloroethylene	67.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG



Sample Information

Client Sample ID: 063_DUP-5

York Sample ID: 22B0086-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 9:25 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	0.700		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
156-60-5	trans-1,2-Dichloroethylene	0.900		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
79-01-6	Trichloroethylene	99.2		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
75-01-4	Vinyl Chloride	0.800	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:32	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 15:32	JTG
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %						69-130			
2037-26-5	Surrogate: SURR: Toluene-d8	102 %						81-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %						79-122			



Sample Information

Client Sample ID: 064_MW-6_28

York Sample ID: 22B0086-03

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 10:15 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-35-4	1,1-Dichloroethylene	0.430		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 15:59	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
95-50-1	1,2-Dichlorobenzene	0.270		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG



Sample Information

Client Sample ID: 064_MW-6_28

York Sample ID: 22B0086-03

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 10:15 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
78-93-3	2-Butanone	10.4	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
67-64-1	Acetone	1.84		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
67-66-3	Chloroform	11.3		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
156-59-2	cis-1,2-Dichloroethylene	85.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG



Sample Information

Client Sample ID: 064_MW-6_28

York Sample ID: 22B0086-03

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 10:15 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-71-8	Dichlorodifluoromethane	0.740	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
100-41-4	Ethyl Benzene	0.230		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
100-42-5	Styrene	0.270		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
127-18-4	Tetrachloroethylene	425		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2022 06:26	02/04/2022 20:32	JTG



Sample Information

Client Sample ID: 064_MW-6_28

York Sample ID: 22B0086-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 10:15 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	0.670		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
156-60-5	trans-1,2-Dichloroethylene	0.560		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
79-01-6	Trichloroethylene	151		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
75-01-4	Vinyl Chloride	1.94	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 15:59	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 15:59	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	79-122								



Sample Information

Client Sample ID: 065_MW-6_45

York Sample ID: 22B0086-04

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 11:00 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-35-4	1,1-Dichloroethylene	0.290		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 16:26	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG



Sample Information

Client Sample ID: 065_MW-6_45

York Sample ID: 22B0086-04

<u>York Project (SDG) No.</u> 22B0086	<u>Client Project ID</u> 100963701	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 2, 2022 11:00 am	<u>Date Received</u> 02/03/2022
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
78-93-3	2-Butanone	7.18	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
67-64-1	Acetone	1.94		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-27-4	Bromodichloromethane	0.270		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
67-66-3	Chloroform	15.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
156-59-2	cis-1,2-Dichloroethylene	59.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG



Sample Information

Client Sample ID: 065_MW-6_45

York Sample ID: 22B0086-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 11:00 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-71-8	Dichlorodifluoromethane	0.740	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-09-2	Methylene chloride	1.01		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
127-18-4	Tetrachloroethylene	232		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2022 06:26	02/04/2022 20:59	JTG



Sample Information

Client Sample ID: 065_MW-6_45

York Sample ID: 22B0086-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 11:00 am

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	0.690		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
156-60-5	trans-1,2-Dichloroethylene	0.360		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
79-01-6	Trichloroethylene	96.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
75-01-4	Vinyl Chloride	1.34	CCV-E, QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/03/2022 06:17	02/03/2022 16:26	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/03/2022 06:17	02/03/2022 16:26	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	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	79-122								



Sample Information

Client Sample ID: 066_TB_02022022

York Sample ID: 22B0086-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 2:50 pm

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2022 06:05	02/07/2022 15:48	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG



Sample Information

Client Sample ID: 066_TB_02022022

York Sample ID: 22B0086-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 2:50 pm

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG



Sample Information

Client Sample ID: 066_TB_02022022

York Sample ID: 22B0086-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 2:50 pm

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-09-2	Methylene chloride	2.00		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG



Sample Information

Client Sample ID: 066_TB_02022022

York Sample ID: 22B0086-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B0086

100963701

Water

February 2, 2022 2:50 pm

02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2022 06:05	02/07/2022 15:48	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2022 06:05	02/07/2022 15:48	JTG
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %						69-130			
2037-26-5	Surrogate: SURR: Toluene-d8	101 %						81-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %						79-122			



Analytical Batch Summary

Batch ID: BB21502 **Preparation Method:** EPA 5030B **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0086-01	062_MW-7_28	02/03/22
22B0086-02	063_DUP-5	02/03/22
22B0086-03	064_MW-6_28	02/03/22
22B0086-04	065_MW-6_45	02/03/22
BB21502-BLK1	Blank	02/03/22
BB21502-BS1	LCS	02/03/22
BB21502-BSD1	LCS Dup	02/03/22

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

YORK Sample ID	Client Sample ID	Preparation Date
22B0086-03RE1	064_MW-6_28	02/04/22
22B0086-04RE1	065_MW-6_45	02/04/22
BB21504-BLK1	Blank	02/04/22
BB21504-BS1	LCS	02/04/22
BB21504-BSD1	LCS Dup	02/04/22

Batch ID: BB21525 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0086-05	066_TB_02022022	02/07/22
BB21525-BLK1	Blank	02/07/22
BB21525-BS1	LCS	02/07/22
BB21525-BSD1	LCS Dup	02/07/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21502 - EPA 5030B

Blank (BB21502-BLK1)	Blank	Prepared & Analyzed: 02/03/2022									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21502 - EPA 5030B

Blank (BB21502-BLK1)	Blank	Prepared & Analyzed: 02/03/2022									
Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURRE: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB21502 - EPA 5030B												
LCS (BB21502-BS1)	LCS						Prepared & Analyzed: 02/03/2022					
1,1,1,2-Tetrachloroethane	9.47		ug/L	10.0		94.7	82-126					
1,1,1-Trichloroethane	9.61		"	10.0		96.1	78-136					
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165					
1,1,2-Trichloroethane	9.35		"	10.0		93.5	82-123					
1,1-Dichloroethane	10.2		"	10.0		102	82-129					
1,1-Dichloroethylene	11.3		"	10.0		113	68-138					
1,1-Dichloropropylene	9.66		"	10.0		96.6	83-133					
1,2,3-Trichlorobenzene	7.68		"	10.0		76.8	76-136					
1,2,3-Trichloropropane	9.71		"	10.0		97.1	77-128					
1,2,4-Trichlorobenzene	8.12		"	10.0		81.2	76-137					
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132					
1,2-Dibromo-3-chloropropane	9.88		"	10.0		98.8	45-147					
1,2-Dibromoethane	9.32		"	10.0		93.2	83-124					
1,2-Dichlorobenzene	9.96		"	10.0		99.6	79-123					
1,2-Dichloroethane	9.87		"	10.0		98.7	73-132					
1,2-Dichloropropane	11.1		"	10.0		111	78-126					
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131					
1,3-Dichlorobenzene	9.40		"	10.0		94.0	86-122					
1,3-Dichloropropane	9.60		"	10.0		96.0	81-125					
1,4-Dichlorobenzene	9.63		"	10.0		96.3	85-124					
1,4-Dioxane	226		"	210		108	10-349					
2,2-Dichloropropane	10.4		"	10.0		104	56-150					
2-Butanone	9.89		"	10.0		98.9	49-152					
2-Chlorotoluene	10.6		"	10.0		106	79-130					
2-Hexanone	10.3		"	10.0		103	51-146					
4-Chlorotoluene	10.7		"	10.0		107	79-128					
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145					
Acetone	10.3		"	10.0		103	14-150					
Acrolein	5.57		"	10.0		55.7	10-153					
Acrylonitrile	11.7		"	10.0		117	51-150					
Benzene	10.1		"	10.0		101	85-126					
Bromobenzene	10.4		"	10.0		104	78-129					
Bromochloromethane	10.3		"	10.0		103	77-128					
Bromodichloromethane	9.70		"	10.0		97.0	79-128					
Bromoform	8.45		"	10.0		84.5	78-133					
Bromomethane	4.14		"	10.0		41.4	43-168	Low Bias				
Carbon disulfide	11.2		"	10.0		112	68-146					
Carbon tetrachloride	9.82		"	10.0		98.2	77-141					
Chlorobenzene	10.3		"	10.0		103	88-120					
Chloroethane	11.5		"	10.0		115	65-136					
Chloroform	9.80		"	10.0		98.0	82-128					
Chloromethane	11.1		"	10.0		111	43-155					
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129					
cis-1,3-Dichloropropylene	9.88		"	10.0		98.8	80-131					
Cyclohexane	8.23		"	10.0		82.3	63-149					
Dibromochloromethane	8.79		"	10.0		87.9	80-130					
Dibromomethane	9.50		"	10.0		95.0	72-134					
Dichlorodifluoromethane	19.1		"	10.0		191	44-144	High Bias				
Ethyl Benzene	11.0		"	10.0		110	80-131					
Hexachlorobutadiene	9.89		"	10.0		98.9	67-146					



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
LCS (BB21502-BS1)	LCS	Prepared & Analyzed: 02/03/2022									
Isopropylbenzene	11.0		ug/L	10.0		110	76-140				
Methyl acetate	9.26		"	10.0		92.6	51-139				
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	76-135				
Methylcyclohexane	11.0		"	10.0		110	72-143				
Methylene chloride	10.0		"	10.0		100	55-137				
n-Butylbenzene	11.1		"	10.0		111	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	18.7		"	20.0		93.5	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	41.7		"	50.0		83.4	25-162				
tert-Butylbenzene	8.42		"	10.0		84.2	77-138				
Tetrachloroethylene	9.05		"	10.0		90.5	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	78-131				
Trichloroethylene	9.87		"	10.0		98.7	82-128				
Trichlorofluoromethane	12.1		"	10.0		121	67-139				
Vinyl acetate	12.8		"	10.0		128	21-90	High Bias			
Vinyl Chloride	14.6		"	10.0		146	58-145	High Bias			
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	9.98		"	10.0		99.8	69-130				
<i>Surrogate: SURRE: Toluene-d8</i>	10.2		"	10.0		102	81-117				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	10.7		"	10.0		107	79-122				
LCS Dup (BB21502-BS1)	LCS Dup	Prepared & Analyzed: 02/03/2022									
1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126		1.92	30	
1,1,1-Trichloroethane	9.37		"	10.0		93.7	78-136		2.53	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		1.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		4.47	30	
1,1,2-Trichloroethane	9.63		"	10.0		96.3	82-123		2.95	30	
1,1-Dichloroethane	9.94		"	10.0		99.4	82-129		2.58	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		4.42	30	
1,1-Dichloropropylene	9.31		"	10.0		93.1	83-133		3.69	30	
1,2,3-Trichlorobenzene	8.07		"	10.0		80.7	76-136		4.95	30	
1,2,3-Trichloropropane	9.85		"	10.0		98.5	77-128		1.43	30	
1,2,4-Trichlorobenzene	8.21		"	10.0		82.1	76-137		1.10	30	
1,2,4-Trimethylbenzene	9.80		"	10.0		98.0	82-132		5.46	30	
1,2-Dibromo-3-chloropropane	9.70		"	10.0		97.0	45-147		1.84	30	
1,2-Dibromoethane	9.75		"	10.0		97.5	83-124		4.51	30	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	79-123		2.64	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		1.91	30	
1,2-Dichloropropane	10.9		"	10.0		109	78-126		1.92	30	
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131		5.70	30	
1,3-Dichlorobenzene	9.00		"	10.0		90.0	86-122		4.35	30	
1,3-Dichloropropane	9.89		"	10.0		98.9	81-125		2.98	30	
1,4-Dichlorobenzene	9.23		"	10.0		92.3	85-124		4.24	30	
1,4-Dioxane	241		"	210		115	10-349		6.16	30	
2,2-Dichloropropane	10.0		"	10.0		100	56-150		3.63	30	
2-Butanone	10.5		"	10.0		105	49-152		6.08	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
LCS Dup (BB21502-bsd1)	LCS Dup	Prepared & Analyzed: 02/03/2022									
2-Chlorotoluene	9.94		ug/L	10.0		99.4	79-130		6.33	30	
2-Hexanone	11.2		"	10.0		112	51-146		8.21	30	
4-Chlorotoluene	10.0		"	10.0		100	79-128		5.98	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145		8.08	30	
Acetone	10.8		"	10.0		108	14-150		5.31	30	
Acrolein	5.94		"	10.0		59.4	10-153		6.43	30	
Acrylonitrile	12.6		"	10.0		126	51-150		7.33	30	
Benzene	9.92		"	10.0		99.2	85-126		2.00	30	
Bromobenzene	10.0		"	10.0		100	78-129		3.53	30	
Bromochloromethane	10.2		"	10.0		102	77-128		0.584	30	
Bromodichloromethane	9.65		"	10.0		96.5	79-128		0.517	30	
Bromoform	8.92		"	10.0		89.2	78-133		5.41	30	
Bromomethane	3.82		"	10.0		38.2	43-168	Low Bias	8.04	30	
Carbon disulfide	10.6		"	10.0		106	68-146		5.25	30	
Carbon tetrachloride	9.47		"	10.0		94.7	77-141		3.63	30	
Chlorobenzene	10.1		"	10.0		101	88-120		1.87	30	
Chloroethane	10.8		"	10.0		108	65-136		6.11	30	
Chloroform	9.62		"	10.0		96.2	82-128		1.85	30	
Chloromethane	9.58		"	10.0		95.8	43-155		14.3	30	
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	83-129		2.09	30	
cis-1,3-Dichloropropylene	9.86		"	10.0		98.6	80-131		0.203	30	
Cyclohexane	8.00		"	10.0		80.0	63-149		2.83	30	
Dibromochloromethane	9.00		"	10.0		90.0	80-130		2.36	30	
Dibromomethane	9.80		"	10.0		98.0	72-134		3.11	30	
Dichlorodifluoromethane	17.1		"	10.0		171	44-144	High Bias	11.1	30	
Ethyl Benzene	10.7		"	10.0		107	80-131		2.68	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		3.77	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		6.45	30	
Methyl acetate	10.0		"	10.0		100	51-139		7.68	30	
Methyl tert-butyl ether (MTBE)	9.72		"	10.0		97.2	76-135		3.99	30	
Methylcyclohexane	10.8		"	10.0		108	72-143		2.48	30	
Methylene chloride	9.85		"	10.0		98.5	55-137		1.71	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		4.33	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		6.22	30	
o-Xylene	10.5		"	10.0		105	78-130		1.80	30	
p- & m- Xylenes	18.3		"	20.0		91.4	77-133		2.33	30	
p-Isopropyltoluene	9.88		"	10.0		98.8	81-136		5.32	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		5.55	30	
Styrene	10.1		"	10.0		101	67-132		1.28	30	
tert-Butyl alcohol (TBA)	47.8		"	50.0		95.6	25-162		13.6	30	
tert-Butylbenzene	7.89		"	10.0		78.9	77-138		6.50	30	
Tetrachloroethylene	8.84		"	10.0		88.4	82-131		2.35	30	
Toluene	10.2		"	10.0		102	80-127		2.62	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.56	30	
trans-1,3-Dichloropropylene	9.80		"	10.0		98.0	78-131		2.17	30	
Trichloroethylene	9.61		"	10.0		96.1	82-128		2.67	30	
Trichlorofluoromethane	11.2		"	10.0		112	67-139		7.82	30	
Vinyl acetate	13.0		"	10.0		130	21-90	High Bias	1.78	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		12.3	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Surr: Toluene-d8	10.2		"	10.0		102	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21502 - EPA 5030B

LCS Dup (BB21502-BSD1) LCS Dup

Prepared & Analyzed: 02/03/2022

Surrogate: SURR: p-Bromofluorobenzene 10.3 ug/L 10.0 103 79-122

Batch BB21504 - EPA 5030B

Blank (BB21504-BLK1) Blank

Prepared & Analyzed: 02/04/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21504 - EPA 5030B

Blank (BB21504-BLK1)	Blank	Prepared & Analyzed: 02/04/2022									
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.1		"	10.0		111	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21504 - EPA 5030B											
LCS (BB21504-BS1)	LCS	Prepared & Analyzed: 02/04/2022									
1,1,1,2-Tetrachloroethane	9.12		ug/L	10.0		91.2	82-126				
1,1,1-Trichloroethane	9.28		"	10.0		92.8	78-136				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	9.01		"	10.0		90.1	82-123				
1,1-Dichloroethane	9.73		"	10.0		97.3	82-129				
1,1-Dichloroethylene	11.0		"	10.0		110	68-138				
1,1-Dichloropropylene	9.30		"	10.0		93.0	83-133				
1,2,3-Trichlorobenzene	7.58		"	10.0		75.8	76-136	Low Bias			
1,2,3-Trichloropropane	9.54		"	10.0		95.4	77-128				
1,2,4-Trichlorobenzene	7.92		"	10.0		79.2	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	45-147				
1,2-Dibromoethane	9.17		"	10.0		91.7	83-124				
1,2-Dichlorobenzene	9.76		"	10.0		97.6	79-123				
1,2-Dichloroethane	9.68		"	10.0		96.8	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.17		"	10.0		91.7	86-122				
1,3-Dichloropropane	9.41		"	10.0		94.1	81-125				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124				
1,4-Dioxane	227		"	210		108	10-349				
2,2-Dichloropropane	9.04		"	10.0		90.4	56-150				
2-Butanone	9.56		"	10.0		95.6	49-152				
2-Chlorotoluene	10.4		"	10.0		104	79-130				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145				
Acetone	9.86		"	10.0		98.6	14-150				
Acrolein	5.28		"	10.0		52.8	10-153				
Acrylonitrile	11.4		"	10.0		114	51-150				
Benzene	9.78		"	10.0		97.8	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	10.0		"	10.0		100	77-128				
Bromodichloromethane	9.41		"	10.0		94.1	79-128				
Bromoform	8.20		"	10.0		82.0	78-133				
Bromomethane	5.07		"	10.0		50.7	43-168				
Carbon disulfide	10.6		"	10.0		106	68-146				
Carbon tetrachloride	9.42		"	10.0		94.2	77-141				
Chlorobenzene	9.94		"	10.0		99.4	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	9.53		"	10.0		95.3	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	83-129				
cis-1,3-Dichloropropylene	9.43		"	10.0		94.3	80-131				
Cyclohexane	7.98		"	10.0		79.8	63-149				
Dibromochloromethane	8.57		"	10.0		85.7	80-130				
Dibromomethane	9.32		"	10.0		93.2	72-134				
Dichlorodifluoromethane	16.2		"	10.0		162	44-144	High Bias			
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	10.0		"	10.0		100	67-146				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21504 - EPA 5030B											
LCS (BB21504-BS1)	LCS										Prepared & Analyzed: 02/04/2022
Isopropylbenzene	10.9		ug/L	10.0		109	76-140				
Methyl acetate	8.95		"	10.0		89.5	51-139				
Methyl tert-butyl ether (MTBE)	9.15		"	10.0		91.5	76-135				
Methylcyclohexane	10.6		"	10.0		106	72-143				
Methylene chloride	9.73		"	10.0		97.3	55-137				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	11.1		"	10.0		111	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	18.1		"	20.0		90.4	77-133				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	9.99		"	10.0		99.9	67-132				
tert-Butyl alcohol (TBA)	41.0		"	50.0		82.1	25-162				
tert-Butylbenzene	8.28		"	10.0		82.8	77-138				
Tetrachloroethylene	8.67		"	10.0		86.7	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	78-131				
Trichloroethylene	9.50		"	10.0		95.0	82-128				
Trichlorofluoromethane	11.4		"	10.0		114	67-139				
Vinyl acetate	11.9		"	10.0		119	21-90	High Bias			
Vinyl Chloride	13.6		"	10.0		136	58-145				
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>69-130</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>79-122</i>				
LCS Dup (BB21504-BSD1)	LCS Dup										Prepared & Analyzed: 02/04/2022
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82-126		3.45	30	
1,1,1-Trichloroethane	9.76		"	10.0		97.6	78-136		5.04	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129		2.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		3.13	30	
1,1,2-Trichloroethane	9.62		"	10.0		96.2	82-123		6.55	30	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		5.40	30	
1,1-Dichloroethylene	11.3		"	10.0		113	68-138		2.88	30	
1,1-Dichloropropylene	9.80		"	10.0		98.0	83-133		5.24	30	
1,2,3-Trichlorobenzene	8.21		"	10.0		82.1	76-136		7.98	30	
1,2,3-Trichloropropane	9.80		"	10.0		98.0	77-128		2.69	30	
1,2,4-Trichlorobenzene	8.31		"	10.0		83.1	76-137		4.81	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		0.197	30	
1,2-Dibromo-3-chloropropane	9.59		"	10.0		95.9	45-147		13.5	30	
1,2-Dibromoethane	9.72		"	10.0		97.2	83-124		5.82	30	
1,2-Dichlorobenzene	9.90		"	10.0		99.0	79-123		1.42	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		4.54	30	
1,2-Dichloropropane	11.2		"	10.0		112	78-126		4.77	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		0.292	30	
1,3-Dichlorobenzene	9.17		"	10.0		91.7	86-122		0.00	30	
1,3-Dichloropropane	9.98		"	10.0		99.8	81-125		5.88	30	
1,4-Dichlorobenzene	9.47		"	10.0		94.7	85-124		0.848	30	
1,4-Dioxane	232		"	210		110	10-349		2.03	30	
2,2-Dichloropropane	9.28		"	10.0		92.8	56-150		2.62	30	
2-Butanone	10.3		"	10.0		103	49-152		7.06	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21504 - EPA 5030B											
LCS Dup (BB21504-BSD1)	LCS Dup		Prepared & Analyzed: 02/04/2022								
2-Chlorotoluene	10.4		ug/L	10.0		104	79-130		0.193	30	
2-Hexanone	11.0		"	10.0		110	51-146		8.08	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		0.0955	30	
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145		8.86	30	
Acetone	10.9		"	10.0		109	14-150		10.2	30	
Acrolein	5.91		"	10.0		59.1	10-153		11.3	30	
Acrylonitrile	12.4		"	10.0		124	51-150		7.89	30	
Benzene	10.2		"	10.0		102	85-126		4.69	30	
Bromobenzene	10.2		"	10.0		102	78-129		0.0977	30	
Bromochloromethane	10.4		"	10.0		104	77-128		3.13	30	
Bromodichloromethane	9.82		"	10.0		98.2	79-128		4.26	30	
Bromoform	8.71		"	10.0		87.1	78-133		6.03	30	
Bromomethane	4.90		"	10.0		49.0	43-168		3.41	30	
Carbon disulfide	10.8		"	10.0		108	68-146		2.06	30	
Carbon tetrachloride	9.85		"	10.0		98.5	77-141		4.46	30	
Chlorobenzene	10.3		"	10.0		103	88-120		3.85	30	
Chloroethane	11.0		"	10.0		110	65-136		0.0910	30	
Chloroform	9.91		"	10.0		99.1	82-128		3.91	30	
Chloromethane	9.62		"	10.0		96.2	43-155		6.24	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		4.01	30	
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	80-131		4.15	30	
Cyclohexane	8.42		"	10.0		84.2	63-149		5.37	30	
Dibromochloromethane	9.09		"	10.0		90.9	80-130		5.89	30	
Dibromomethane	9.77		"	10.0		97.7	72-134		4.71	30	
Dichlorodifluoromethane	15.4		"	10.0		154	44-144	High Bias	5.06	30	
Ethyl Benzene	11.1		"	10.0		111	80-131		4.62	30	
Hexachlorobutadiene	11.0		"	10.0		110	67-146		8.77	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		0.0921	30	
Methyl acetate	9.48		"	10.0		94.8	51-139		5.75	30	
Methyl tert-butyl ether (MTBE)	9.63		"	10.0		96.3	76-135		5.11	30	
Methylcyclohexane	11.3		"	10.0		113	72-143		6.21	30	
Methylene chloride	9.93		"	10.0		99.3	55-137		2.03	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		3.56	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		0.0904	30	
o-Xylene	10.8		"	10.0		108	78-130		3.68	30	
p- & m- Xylenes	18.9		"	20.0		94.4	77-133		4.33	30	
p-Isopropyltoluene	10.3		"	10.0		103	81-136		0.683	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		0.660	30	
Styrene	10.4		"	10.0		104	67-132		3.64	30	
tert-Butyl alcohol (TBA)	44.8		"	50.0		89.7	25-162		8.87	30	
tert-Butylbenzene	8.27		"	10.0		82.7	77-138		0.121	30	
Tetrachloroethylene	9.12		"	10.0		91.2	82-131		5.06	30	
Toluene	10.6		"	10.0		106	80-127		4.65	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		4.55	30	
trans-1,3-Dichloropropylene	9.73		"	10.0		97.3	78-131		5.60	30	
Trichloroethylene	9.99		"	10.0		99.9	82-128		5.03	30	
Trichlorofluoromethane	11.4		"	10.0		114	67-139		0.438	30	
Vinyl acetate	12.5		"	10.0		125	21-90	High Bias	4.43	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		5.21	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURRE: Toluene-d8	10.1		"	10.0		101	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21504 - EPA 5030B

LCS Dup (BB21504-BSD1) LCS Dup

Prepared & Analyzed: 02/04/2022

Surrogate: SURR: p-Bromofluorobenzene 10.3 ug/L 10.0 103 79-122

Batch BB21525 - EPA 5030B

Blank (BB21525-BLK1) Blank

Prepared & Analyzed: 02/07/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB21525 - EPA 5030B

Blank (BB21525-BLK1)	Blank	Prepared & Analyzed: 02/07/2022									
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.4		"	10.0		114	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
Batch BB21525 - EPA 5030B												
LCS (BB21525-BS1)	LCS	Prepared & Analyzed: 02/07/2022										
1,1,1,2-Tetrachloroethane	9.08		ug/L	10.0		90.8		82-126				
1,1,1-Trichloroethane	9.22		"	10.0		92.2		78-136				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101		76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.85		"	10.0		98.5		54-165				
1,1,2-Trichloroethane	8.76		"	10.0		87.6		82-123				
1,1-Dichloroethane	9.87		"	10.0		98.7		82-129				
1,1-Dichloroethylene	10.6		"	10.0		106		68-138				
1,1-Dichloropropylene	9.24		"	10.0		92.4		83-133				
1,2,3-Trichlorobenzene	7.78		"	10.0		77.8		76-136				
1,2,3-Trichloropropane	9.55		"	10.0		95.5		77-128				
1,2,4-Trichlorobenzene	8.12		"	10.0		81.2		76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106		82-132				
1,2-Dibromo-3-chloropropane	9.41		"	10.0		94.1		45-147				
1,2-Dibromoethane	8.86		"	10.0		88.6		83-124				
1,2-Dichlorobenzene	9.92		"	10.0		99.2		79-123				
1,2-Dichloroethane	9.48		"	10.0		94.8		73-132				
1,2-Dichloropropane	10.6		"	10.0		106		78-126				
1,3,5-Trimethylbenzene	10.7		"	10.0		107		80-131				
1,3-Dichlorobenzene	9.48		"	10.0		94.8		86-122				
1,3-Dichloropropane	9.13		"	10.0		91.3		81-125				
1,4-Dichlorobenzene	9.66		"	10.0		96.6		85-124				
1,4-Dioxane	216		"	210		103		10-349				
2,2-Dichloropropane	10.1		"	10.0		101		56-150				
2-Butanone	9.33		"	10.0		93.3		49-152				
2-Chlorotoluene	10.8		"	10.0		108		79-130				
2-Hexanone	9.80		"	10.0		98.0		51-146				
4-Chlorotoluene	10.9		"	10.0		109		79-128				
4-Methyl-2-pentanone	9.72		"	10.0		97.2		57-145				
Acetone	8.77		"	10.0		87.7		14-150				
Acrolein	4.75		"	10.0		47.5		10-153				
Acrylonitrile	9.37		"	10.0		93.7		51-150				
Benzene	9.82		"	10.0		98.2		85-126				
Bromobenzene	10.5		"	10.0		105		78-129				
Bromochloromethane	9.91		"	10.0		99.1		77-128				
Bromodichloromethane	9.32		"	10.0		93.2		79-128				
Bromoform	8.08		"	10.0		80.8		78-133				
Bromomethane	2.32		"	10.0		23.2		43-168	Low Bias			
Carbon disulfide	10.2		"	10.0		102		68-146				
Carbon tetrachloride	9.21		"	10.0		92.1		77-141				
Chlorobenzene	9.96		"	10.0		99.6		88-120				
Chloroethane	10.6		"	10.0		106		65-136				
Chloroform	9.56		"	10.0		95.6		82-128				
Chloromethane	9.48		"	10.0		94.8		43-155				
cis-1,2-Dichloroethylene	9.93		"	10.0		99.3		83-129				
cis-1,3-Dichloropropylene	9.52		"	10.0		95.2		80-131				
Cyclohexane	7.45		"	10.0		74.5		63-149				
Dibromochloromethane	8.36		"	10.0		83.6		80-130				
Dibromomethane	9.00		"	10.0		90.0		72-134				
Dichlorodifluoromethane	12.6		"	10.0		126		44-144				
Ethyl Benzene	10.6		"	10.0		106		80-131				
Hexachlorobutadiene	9.51		"	10.0		95.1		67-146				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21525 - EPA 5030B											
LCS (BB21525-BS1)	LCS										Prepared & Analyzed: 02/07/2022
Isopropylbenzene	11.3		ug/L	10.0		113	76-140				
Methyl acetate	9.02		"	10.0		90.2	51-139				
Methyl tert-butyl ether (MTBE)	8.83		"	10.0		88.3	76-135				
Methylcyclohexane	9.92		"	10.0		99.2	72-143				
Methylene chloride	9.69		"	10.0		96.9	55-137				
n-Butylbenzene	11.6		"	10.0		116	79-132				
n-Propylbenzene	11.6		"	10.0		116	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	18.2		"	20.0		90.8	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	9.93		"	10.0		99.3	67-132				
tert-Butyl alcohol (TBA)	37.7		"	50.0		75.4	25-162				
tert-Butylbenzene	8.58		"	10.0		85.8	77-138				
Tetrachloroethylene	8.72		"	10.0		87.2	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.20		"	10.0		92.0	78-131				
Trichloroethylene	9.48		"	10.0		94.8	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl acetate	11.7		"	10.0		117	21-90	High Bias			
Vinyl Chloride	12.5		"	10.0		125	58-145				
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</i>	<i>69-130</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>11.2</i>		<i>"</i>	<i>10.0</i>		<i>112</i>	<i>79-122</i>				
LCS Dup (BB21525-BSD1)	LCS Dup										Prepared & Analyzed: 02/07/2022
1,1,1,2-Tetrachloroethane	8.78		ug/L	10.0		87.8	82-126		3.36	30	
1,1,1-Trichloroethane	8.67		"	10.0		86.7	78-136		6.15	30	
1,1,2,2-Tetrachloroethane	9.99		"	10.0		99.9	76-129		1.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24		"	10.0		92.4	54-165		6.39	30	
1,1,2-Trichloroethane	8.92		"	10.0		89.2	82-123		1.81	30	
1,1-Dichloroethane	9.28		"	10.0		92.8	82-129		6.16	30	
1,1-Dichloroethylene	9.73		"	10.0		97.3	68-138		8.09	30	
1,1-Dichloropropylene	8.65		"	10.0		86.5	83-133		6.60	30	
1,2,3-Trichlorobenzene	7.82		"	10.0		78.2	76-136		0.513	30	
1,2,3-Trichloropropane	9.54		"	10.0		95.4	77-128		0.105	30	
1,2,4-Trichlorobenzene	7.99		"	10.0		79.9	76-137		1.61	30	
1,2,4-Trimethylbenzene	9.67		"	10.0		96.7	82-132		8.89	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147		6.68	30	
1,2-Dibromoethane	9.02		"	10.0		90.2	83-124		1.79	30	
1,2-Dichlorobenzene	9.38		"	10.0		93.8	79-123		5.60	30	
1,2-Dichloroethane	9.31		"	10.0		93.1	73-132		1.81	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		3.18	30	
1,3,5-Trimethylbenzene	9.72		"	10.0		97.2	80-131		9.69	30	
1,3-Dichlorobenzene	8.77		"	10.0		87.7	86-122		7.78	30	
1,3-Dichloropropane	9.23		"	10.0		92.3	81-125		1.09	30	
1,4-Dichlorobenzene	8.96		"	10.0		89.6	85-124		7.52	30	
1,4-Dioxane	228		"	210		109	10-349		5.52	30	
2,2-Dichloropropane	9.41		"	10.0		94.1	56-150		7.47	30	
2-Butanone	9.41		"	10.0		94.1	49-152		0.854	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21525 - EPA 5030B											
LCS Dup (BB21525-BSD1)	LCS Dup		Prepared & Analyzed: 02/07/2022								
2-Chlorotoluene	9.81		ug/L	10.0		98.1	79-130		9.61	30	
2-Hexanone	10.3		"	10.0		103	51-146		4.98	30	
4-Chlorotoluene	9.90		"	10.0		99.0	79-128		9.89	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145		4.62	30	
Acetone	9.43		"	10.0		94.3	14-150		7.25	30	
Acrolein	4.87		"	10.0		48.7	10-153		2.49	30	
Acrylonitrile	9.92		"	10.0		99.2	51-150		5.70	30	
Benzene	9.31		"	10.0		93.1	85-126		5.33	30	
Bromobenzene	9.82		"	10.0		98.2	78-129		6.31	30	
Bromochloromethane	9.64		"	10.0		96.4	77-128		2.76	30	
Bromodichloromethane	9.06		"	10.0		90.6	79-128		2.83	30	
Bromoform	8.24		"	10.0		82.4	78-133		1.96	30	
Bromomethane	2.71		"	10.0		27.1	43-168	Low Bias	15.5	30	
Carbon disulfide	9.29		"	10.0		92.9	68-146		8.85	30	
Carbon tetrachloride	8.66		"	10.0		86.6	77-141		6.16	30	
Chlorobenzene	9.51		"	10.0		95.1	88-120		4.62	30	
Chloroethane	9.64		"	10.0		96.4	65-136		9.30	30	
Chloroform	9.14		"	10.0		91.4	82-128		4.49	30	
Chloromethane	8.11		"	10.0		81.1	43-155		15.6	30	
cis-1,2-Dichloroethylene	9.44		"	10.0		94.4	83-129		5.06	30	
cis-1,3-Dichloropropylene	9.31		"	10.0		93.1	80-131		2.23	30	
Cyclohexane	7.00		"	10.0		70.0	63-149		6.23	30	
Dibromochloromethane	8.36		"	10.0		83.6	80-130		0.00	30	
Dibromomethane	9.10		"	10.0		91.0	72-134		1.10	30	
Dichlorodifluoromethane	10.9		"	10.0		109	44-144		14.0	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		5.52	30	
Hexachlorobutadiene	9.56		"	10.0		95.6	67-146		0.524	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		10.1	30	
Methyl acetate	9.48		"	10.0		94.8	51-139		4.97	30	
Methyl tert-butyl ether (MTBE)	8.96		"	10.0		89.6	76-135		1.46	30	
Methylcyclohexane	9.40		"	10.0		94.0	72-143		5.38	30	
Methylene chloride	9.28		"	10.0		92.8	55-137		4.32	30	
n-Butylbenzene	10.7		"	10.0		107	79-132		8.17	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		10.7	30	
o-Xylene	9.89		"	10.0		98.9	78-130		4.35	30	
p- & m- Xylenes	17.2		"	20.0		85.8	77-133		5.61	30	
p-Isopropyltoluene	9.72		"	10.0		97.2	81-136		8.76	30	
sec-Butylbenzene	9.91		"	10.0		99.1	79-137		9.42	30	
Styrene	9.34		"	10.0		93.4	67-132		6.12	30	
tert-Butyl alcohol (TBA)	42.0		"	50.0		83.9	25-162		10.7	30	
tert-Butylbenzene	7.79		"	10.0		77.9	77-138		9.65	30	
Tetrachloroethylene	8.19		"	10.0		81.9	82-131	Low Bias	6.27	30	
Toluene	9.57		"	10.0		95.7	80-127		4.99	30	
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	80-132		7.04	30	
trans-1,3-Dichloropropylene	9.13		"	10.0		91.3	78-131		0.764	30	
Trichloroethylene	8.98		"	10.0		89.8	82-128		5.42	30	
Trichlorofluoromethane	9.56		"	10.0		95.6	67-139		9.85	30	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	4.93	30	
Vinyl Chloride	10.7		"	10.0		107	58-145		15.4	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21525 - EPA 5030B											
LCS Dup (BB21525-BSD1) LCS Dup								Prepared & Analyzed: 02/07/2022			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	10.7		ug/L	10.0		107	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0086-01	062_MW-7_28	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0086-02	063_DUP-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0086-03	064_MW-6_28	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0086-04	065_MW-6_45	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0086-05	066_TB_02022022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- 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.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
- Cal-E The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

- * Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'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.
22 B0086

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 clientservices@yorklab.com www.yorklab.com 800-306-YORK 800-306-9675 Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Langan	Address: 300 Kimball Dr. Parsippany, NJ	Company: SAME	Address: SAME	Company: SAME	Address: SAME	100963701	RUSH - Next Day	RUSH - Next Day	<input checked="" type="checkbox"/>
Phone: 973-560-4900	Contact: mmattern@langan.com	Phone: SAME	Contact: SAME	Phone: SAME	Contact: SAME	1487 First Avenue	RUSH - Two Day	RUSH - Three Day	<input checked="" type="checkbox"/>
E-mail: mmattern@langan.com	E-mail: mmattern@langan.com	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	YOUR PO#:	RUSH - Four Day	Standard (5-7 Day)	<input type="checkbox"/>

Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
S - soil / solid	GW - groundwater	New York	<input checked="" type="checkbox"/>	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
DW - drinking water	WW - wastewater	New Jersey		QA Report	CT RCP DQA/DUE	EQUIS (Standard)	
O - Oil	Other:	Connecticut		NY ASP A Package	NJDEP Reduced	NYSDEC EQUIS	
		Pennsylvania		NY ASP B Package	Deliverables	NJDEP SRP HazSite	
		Other:			NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
062 - MW-7-28	GW	2/2/22 9:20	VOCs	3 Vols
063 - DUP-5	GW	2/2/22 9:25		
064 - MW-6-28	GW	2/2/22 10:15		
065 - MW-6-45	GW	2/2/22 11:00		2 Vols
066 - TB-02022022	AQ	2/2/22		

Comments:

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

Samples Iced/chilled at time of lab pickup? circle Yes or No		Date/Time	
Yes	No	2/2/22	1450
1. Samples Relinquished by / Company		Date/Time	
Warehouse Dept		2/2/22 1450	
3. Samples Relinquished by / Company		Date/Time	
Andrew S. York		2/2/22	
4. Samples Received by / Company		Date/Time	
Andrew S. York		2/2/22 1107	